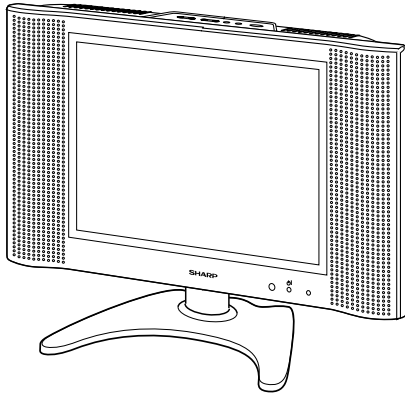


SHARP**SERVICE MANUAL**

S53A6LC-13B4E

**LCD COLOUR TELEVISION****LC-13B4E**
LC-15B4E**MODELS**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

	Page
• IMPORTANT SERVICE SAFETY PRECAUTION	2
• SPECIFICATIONS	4
• OPERATION MANUAL	5
• DIMENSIONS	7
• REMOVING OF MAJOR PARTS	9
• ADJUSTING PROCEDURE OF EACH SECTION	13
• TROUBLE SHOOTING TABLE	17
• CHASSIS LAYOUT	23
• BLOCK DIAGRAM	24
• OVERALL WIRING DIAGRAM	26
• DESCRIPTION OF SCHEMATIC DIAGRAM	28
• SCHEMATIC DIAGRAM	29
• PRINTED WIRING BOARD ASSEMBLIES	55
• REPLACEMENT PARTS LIST	65
• PACKING OF THE SET	79

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
(K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
(J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

©: Solid Ⓜ: Cement
 Ⓢ: Oxide Film Ⓣ: Special
 Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are μF, unless otherwise noted.
(P=pF=μμF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar (TA): Tantalum
 (PF): Polypro Film (ST): Styrol

CAUTION:

This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

IMPORTANT SERVICE SAFETY PRECAUTION

- **Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:**

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE F3301(2A, 250V), F3302(1.25A, 250V), F6500 (1.25A, 250V) AND F6501 (1.25A, 250V) FUSE.

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

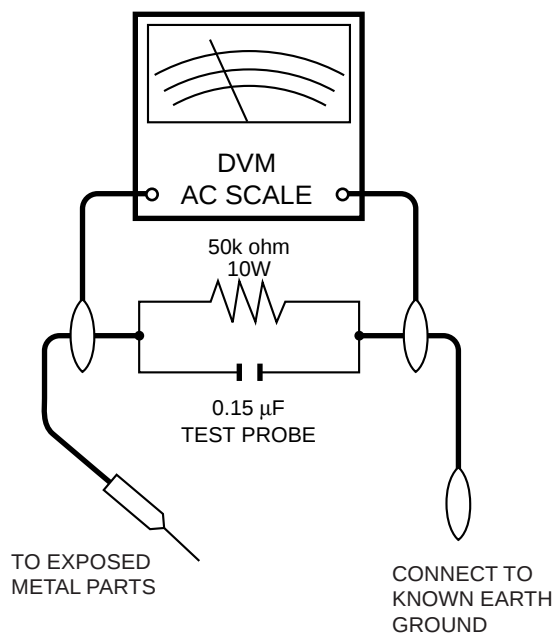
Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
 - Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75V peak (this corresponds to 0.5 mA. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠"

and shaded areas in the **Replacement Parts Lists and Schematic Diagrams.**

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

Precautions for using lead-free solder

1 Employing lead-free solder

"All PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

2 Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3 Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

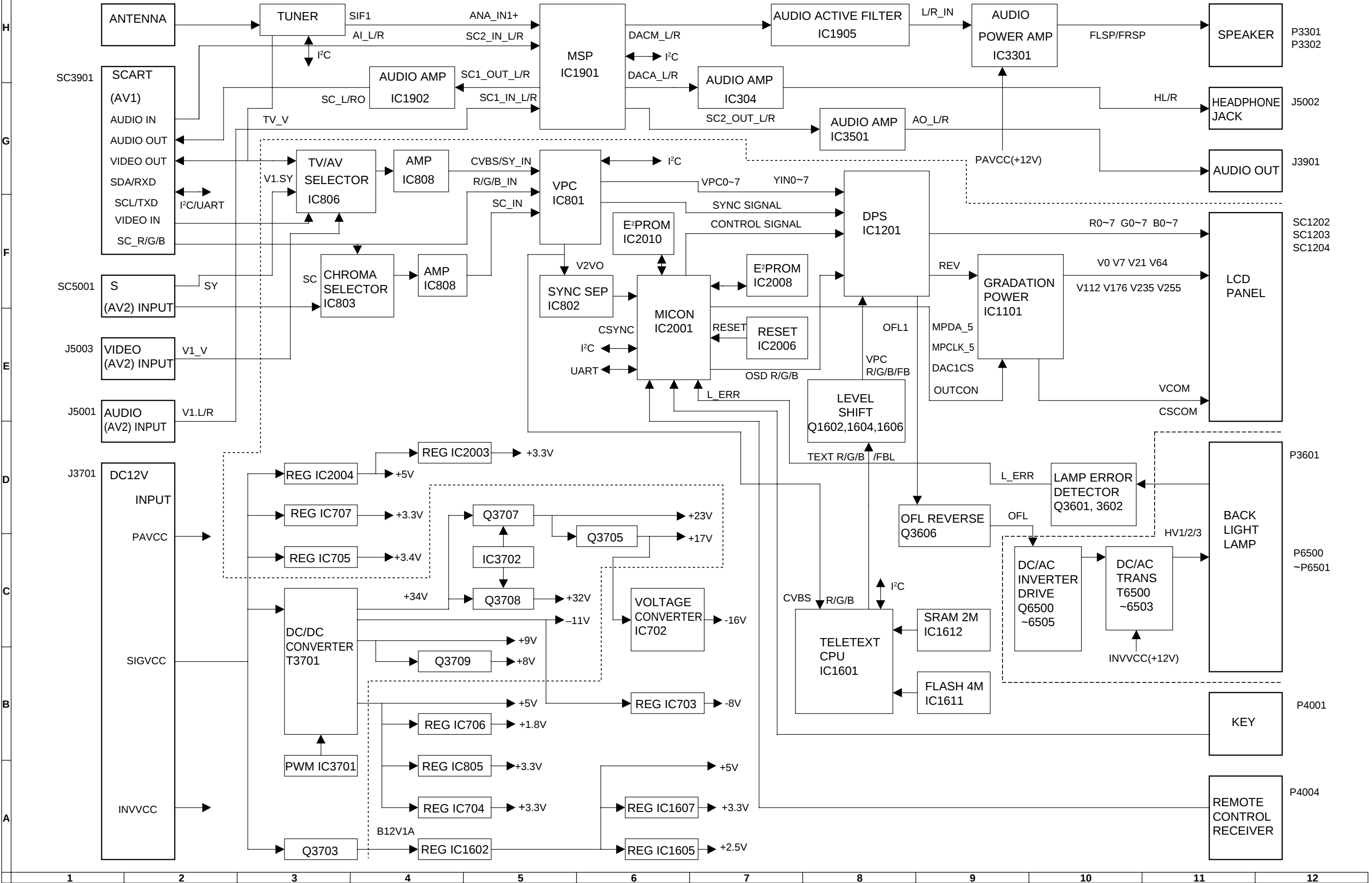
When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No,	★	Description	Code
ZHNDai123250E	J	φ0.3mm 250g(1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g(1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1kg(1roll)	BM

BLOCK DIAGRAM



ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

Preparation for adjustments

Use the dedicated AC adaptor or stable DC power supply.

AC adaptor: UADP-A034WJPZ

DC power supply: 12V 4.5A

1. Adjusting procedure

- Checker adjustment
Power ON (Adjustment processing mode) → +B adjustment → Counter bias adjustment → TAMP (Contrast) adjustment → White balance adjustment

2. Entering the adjustment processing mode

There are the following two methods.

- Setting the pin (81)(KEY4) or pin (82)(KEY5) of IC2001 (microprocessor) to GND, turn on the power.
- A "POWER" key is made on with pushing an "TV/VIDEO" and "MENU" keys at the same time. (K of the inspection process mode is displayed by the upper left of the image plane.) → Next, "CH (∧)" and "VOL (-)" keys are pushed at the same time. (It becomes the image plane of the adjustment process mode.).....When it is canceled, it is made to turn it off. (Even off in the "MAIN POWER" key, off with R/C are good.)

3. Key operation in the adjustment process mode

- The receiving channel UP/DOWN is performed with the "CH (∧)/(∨)" keys.
One push ... The UP/DOWN tuning is performed per channel.
Continuous push ... The UP/DOWN search is performed until a next receivable station is found.
- Various adjustments
The adjustment is performed for each item by the "MENU", "Menu cursor", "CH (∧)/(∨)" or "VOL (+)/(-)" keys (LCD TV set and remote control).
- Adjustment item is chosen with the Menu cursor upward/downward keys.
- The adjustment item makes a toggle operation with the "MENU" key input. (Next item)
If the "MENU" key is input while the bottom item is selected, it moves to the top item on the next page.
- Press the auto preset button on the remote controller in the adjustment process mode, and the top item of the next page will show up regardless of which item appears now.
Page 1 → Page 2 → ... → Page 57 → Page 1
- Press the manual memory button on the remote controller in the adjustment process mode, and the top item of the same page will show up.
- UP/DOWN of each adjustment vale selected is performed with the VOL (+)/(-) keys input.

4. Initialization

When the microprocessor (IC2001) or the EEPROM (IC2008, IC2010) has been replaced or when the EEPROM has been initialized, readjust the each adjustments.

4-1. Connect the pins (81) and (82) of IC2001 (microprocessor) to GND, and turn on the power.

4-2. Select the model name to (A522).

4-3. Select the inch size (13)*1 or (15)*2.

4-4. LED changes green from red after setting finish and about 15 seconds, initialization is completed, and it becomes adjustment mode.

4-5. Writing the model-by-model data

For the Ver.1.10A microprocessor, get it initialized first and then make the settings, listed below, on it. (The microprocessor version is indicated at the bottom of Adjustment Process Page 1.)

■LC-13B4E

Ver.1.10A data reprogramming (INCH SIZE [13])		
Adjustment process page	Item	OSD settings
2	R GAIN	0 → -26
2	B GAIN	0 → -6
4	TV GEQ BAND1	+1.0 → +1.5
4	TV GEQ BAND2	0.0 → -0.5
4	TV GEQ BAND3	0.0 → +0.5
4	TV GEQ BAND4	-1.5 → +0.5
4	TV GEQ BAND5	-2.0 → +1.0
4	EXT GEQ BAND1	+1.0 → +1.5
4	EXT GEQ BAND2	0.0 → -0.5
4	EXT GEQ BAND3	0.0 → +0.5
4	EXT GEQ BAND4	-1.5 → +0.5
4	EXT GEQ BAND5	-2.0 → +1.0
13	SECAM TV COLOR	37 → 41
13	SECAM AV COLOR	37 → 41
13	SECAM BRIGHTNESS	-13 → -18
13	SECAM TV CONTRAST	54 → 58
13	SECAM AV CONTRAST	54 → 58

■LC-15B4E

Ver.1.10A data reprogramming (INCH SIZE [15])		
Adjustment process page	Item	OSD settings
2	B GAIN	0 → +14
4	TV GEQ BAND4	+0.5 → 0.0
4	TV GEQ BAND5	+1.5 → +1.0
4	EXT GEQ BAND4	+0.5 → 0.0
4	EXT GEQ BAND5	+1.5 → +1.0
13	SECAM TV COLOR	37 → 41
13	SECAM AV COLOR	37 → 41
13	SECAM BRIGHTNESS	-13 → -18
13	SECAM TV CONTRAST	54 → 58
13	SECAM AV CONTRAST	54 → 58

4-6. Precautions in replacing the EEPROMs (IC2008 and IC2010)

When the EEPROMs (IC2008 and IC2010) have been replaced, be sure to replace also the microprocessor (IC2001) with the one "Part No. RH-iXA522WJN1Q".

The version of the RH-iXA522WJN1Q microprocessor is 1.20A.

Note:

*1:LC-13B4E

*2:LC-15B4E

5. Adjustment

5-1. +B adjustment...Page 1 +B-ADJ

Adjust the voltage of the pin (4) of P1902 to $5.00 \pm 0.02V$ with R3714.

Note: Since 5.0V is a reference voltage of all power voltage, adjust it precisely.

5-2. Counter-bias adjustment

Vary the "COM BIAS" setting on Page 2 of the adjustment process mode so that the contrast be sharpest (black looks most sinking).

5-3. TAMP adjustment

- 1) Receive the upper left of 75% white half colour bar signal.
- 2) See if the "Y" reading on page 2 of the adjustment process mode is somewhere following. If not, make the "PAL TAMP" adjustment to get the "Y" reading in the range of AE thru BD.
- 3) If the adjustment of "PAL TAMP" is executed, write its adjustment value to the "SECAM TAMP" manually.

(Screen of the page 2 of the adjustment processing menu OSD)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0		2																									
1		▶	C	O	M		B	I	A	S															9	0	
2			P	A	L		T	A	M	P															2	1	
3			S	E	C	A	M		T	A	M	P													2	1	
4			R	C	U	T	O	F	F																	0	
5			G	C	U	T	O	F	F																	0	
6			B	C	U	T	O	F	F																	0	
7			R	G	A	I	N																			0	
8			G	G	A	I	N																			0	
9			B	G	A	I	N																			0	
10			Y																								
11			T	A	M	P		H																	B	6	
12			T	A	M	P		L																	B	D	
13																									A	E	

Y Data
(White 75%)

5-4. White balance adjustment

Adjust "RCUTOFF" and "BCUTOFF" on the page 2 of the adjustment processing so as to obtain the colour of the same level as the standard set.

6. Factory Setting

- 6-1. Perform a factory setting after completing all adjustments.
 - 6-2. A "POWER" keys is made on with pushing an "TV/VIDEO" and "MENU" keys at the same time.
 - 6-3. "K" of the inspection process mode is displayed on the screen upper left.
 - 6-4. CH (∧) and VOL (+) keys are pushed about 2 seconds at the same time.
 - 6-5. Release keys, if "E" is displayed on the screen upper left and "COMPLETE" is displayed on the bottom of it.
 - 6-6. After a while, a power will be in a standby mode and a setup will be finished.
- Note: "First installation" serves on "Deutsch".

7. Lamp error detection

7-1. Functional description

This LCD colour television has a function (lamp error detection) to be turned OFF automatically for safety when the lamp or lamp circuit is abnormal.

If the lamp or lamp circuit is abnormal, or some other errors happen, and the lamp error detection is executed, the followings occur.

- ① The main unit of television is turned OFF 5 seconds after it is turned ON. (The power LED on the front side of TV turns from green to red.)
- ② If the situation ① happens 5 times sequentially, television can not be turned ON. (The power LED remains red.)

7-2. Countermeasures

7-2-1. Check when turning OFF the lamp error detection

When television is turned OFF by the lamp error detection mentioned above, it enters the adjustment process with the power LED red. Entering the adjustment process turns OFF the error detection and turns ON TV.

This enables the operation check to detect errors in the lamp or lamp circuit.

Check whether "ERROR NO RESET" on line 3, page 1 of the adjustment process is 1 or more. If it is 1 or more, it indicates the lamp error detection was executed.

7-2-2. Resetting of the lamp error count

After confirming that the lamp or lamp circuit is normal, reset the lamp error count. Select "ERROR NO RESET" on line 3, page 1 of the adjustment process and set the number to 0 using the volume button.

Page 1 of the adjustment process

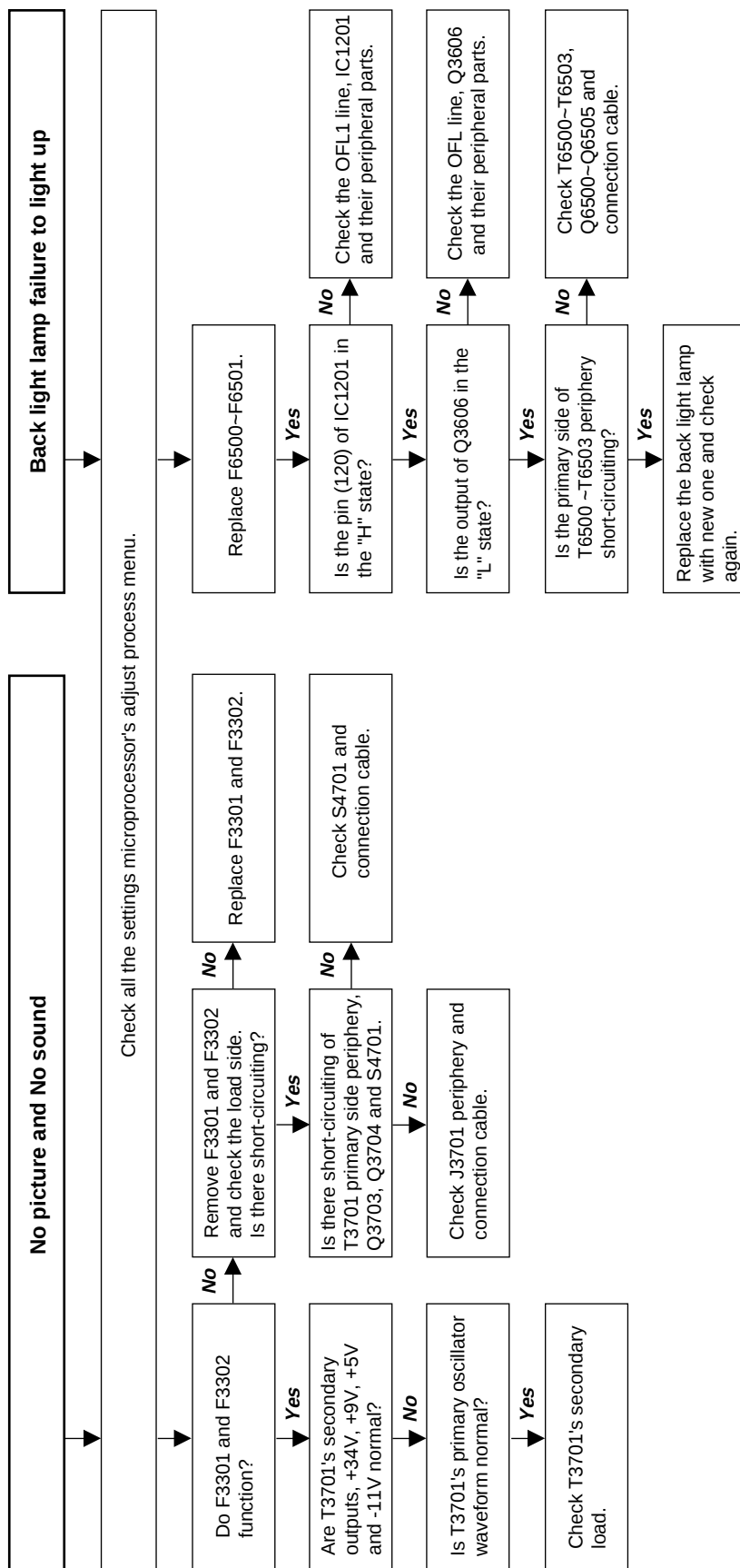
1		
MODEL		A522
INCH	SIZE	*3
ERROR	NO RESET	5
PUBLIC	MODE	OFF
EXT	CONTROL	OFF
EXT	MODE	UART
UPDATE	MODE	NORMAL
TEXT	RESET	OFF
VER ROM 1.10A		

Reset 0

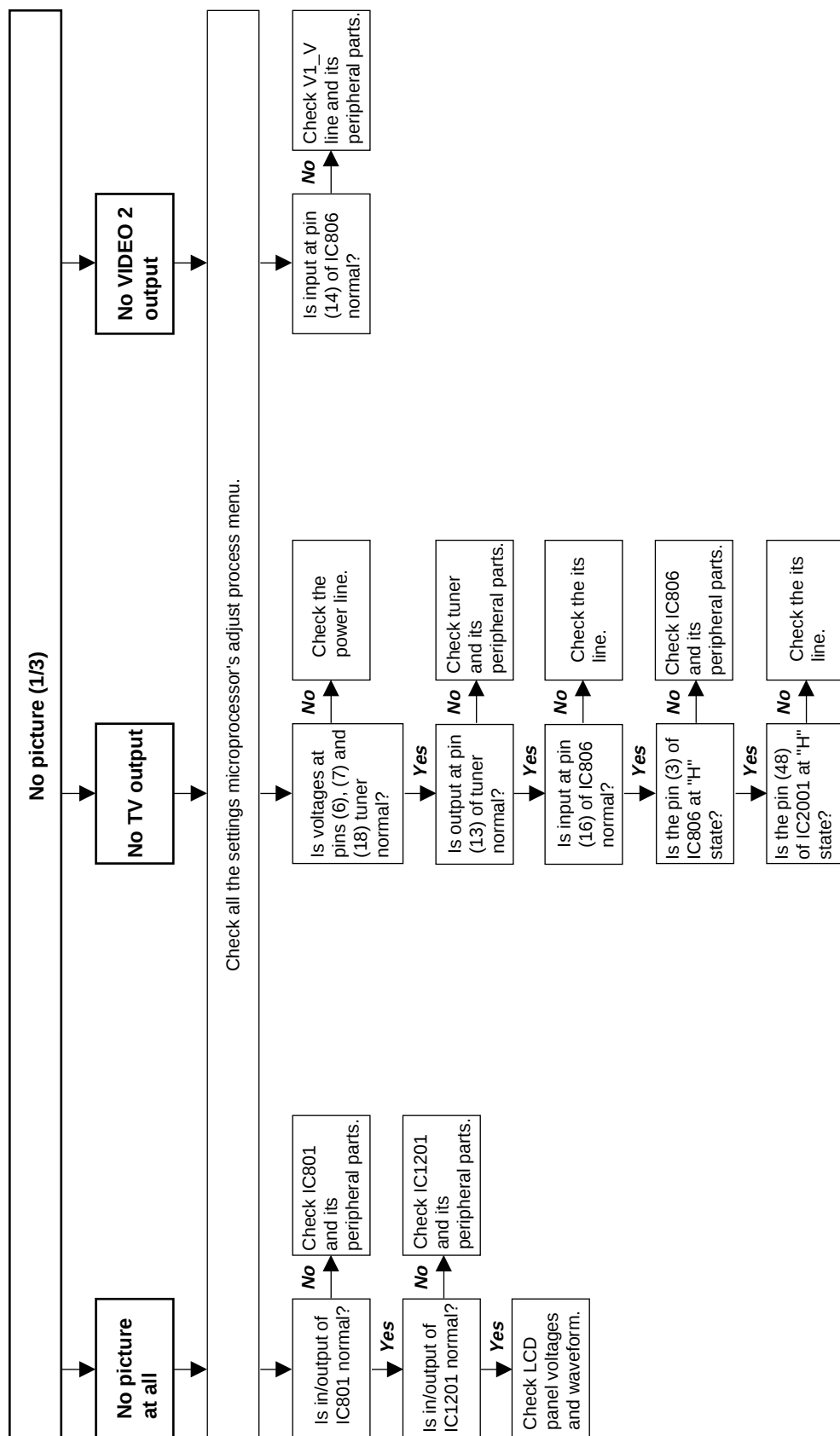
Afterwards, perform the operation check to confirm that the lamp error detection does not function.

Note:*3 LC-13B4E=13, LC-15B4E=15

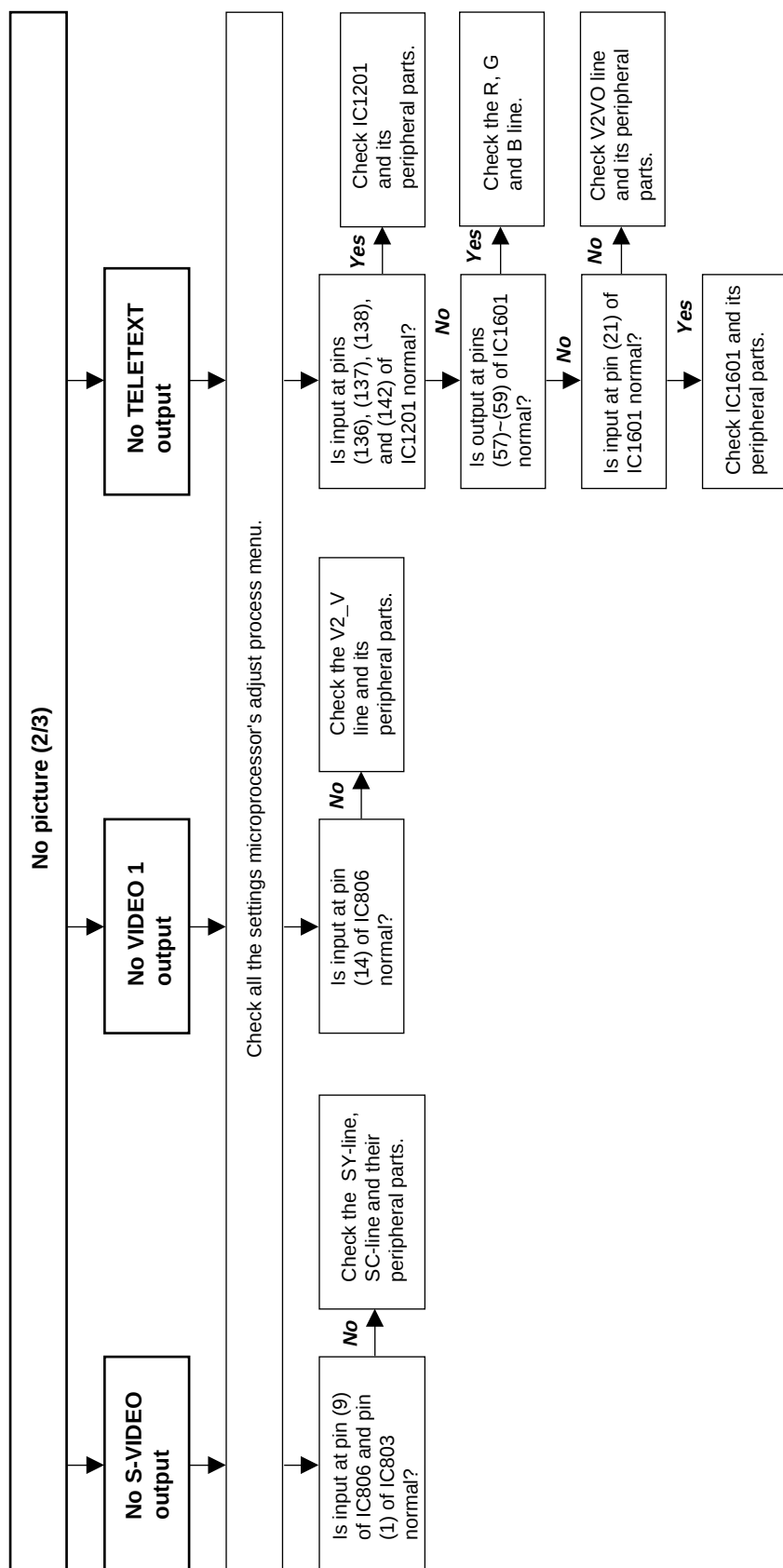
TROUBLE SHOOTING TABLE



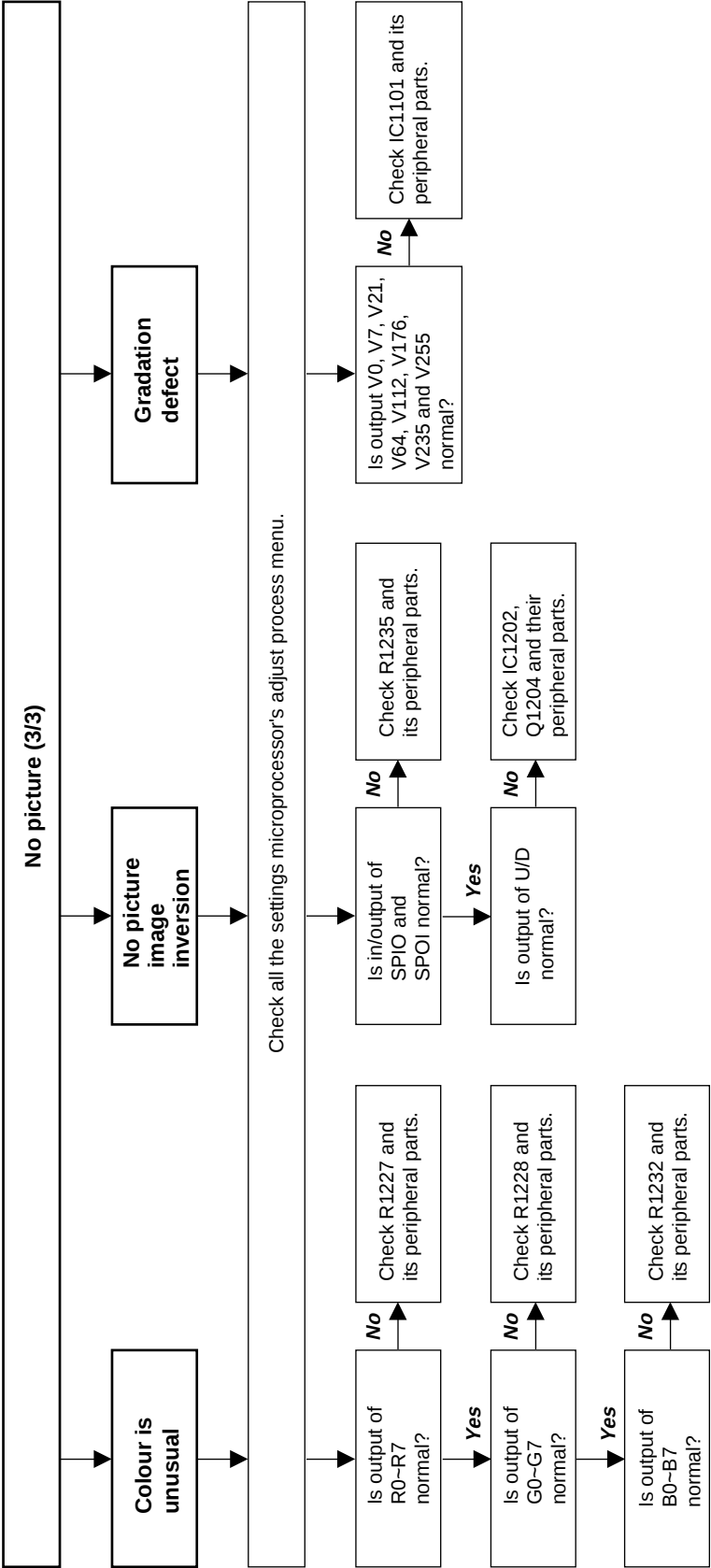
TROUBLE SHOOTING TABLE (Continued)



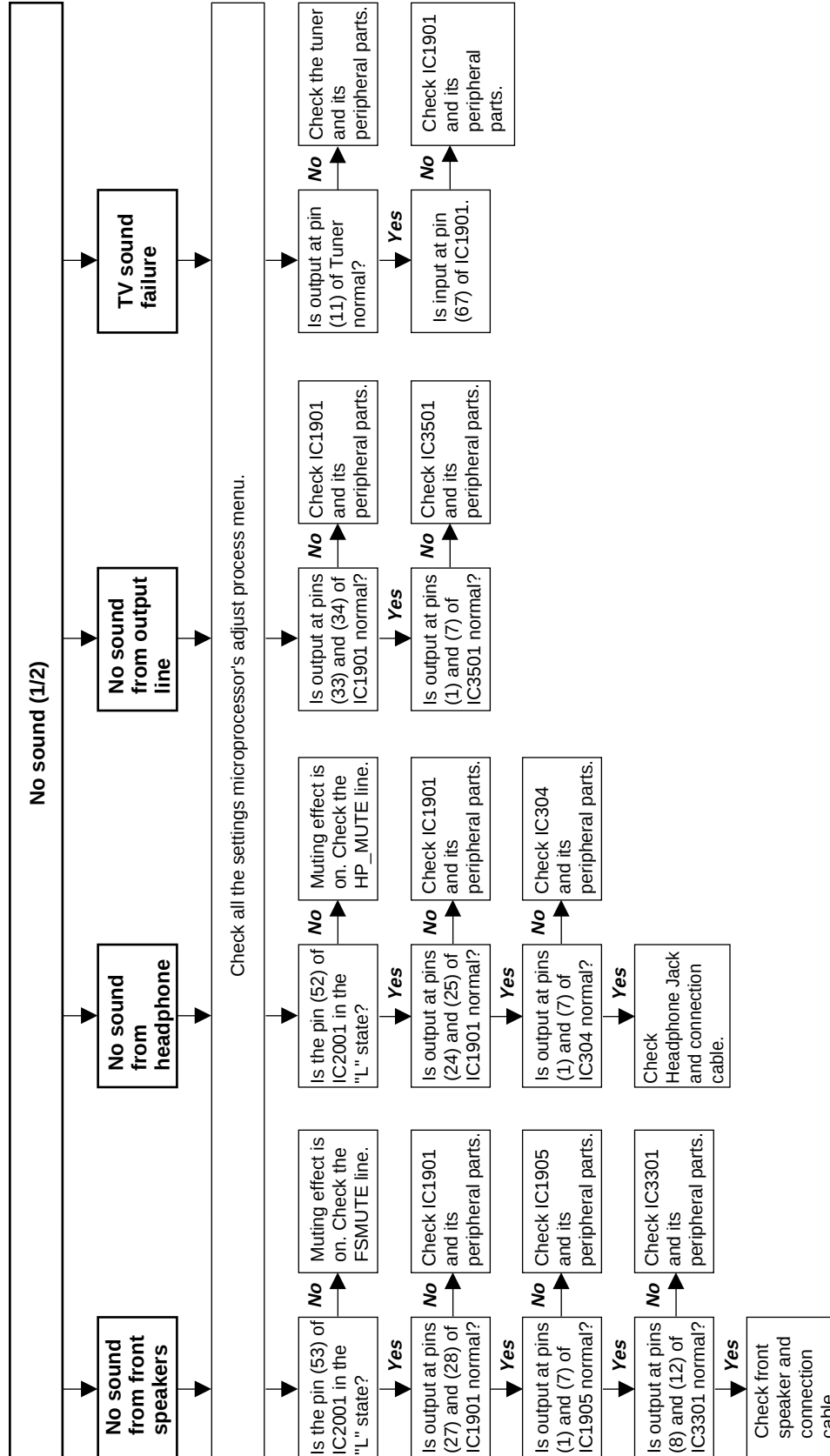
TROUBLE SHOOTING TABLE (Continued)

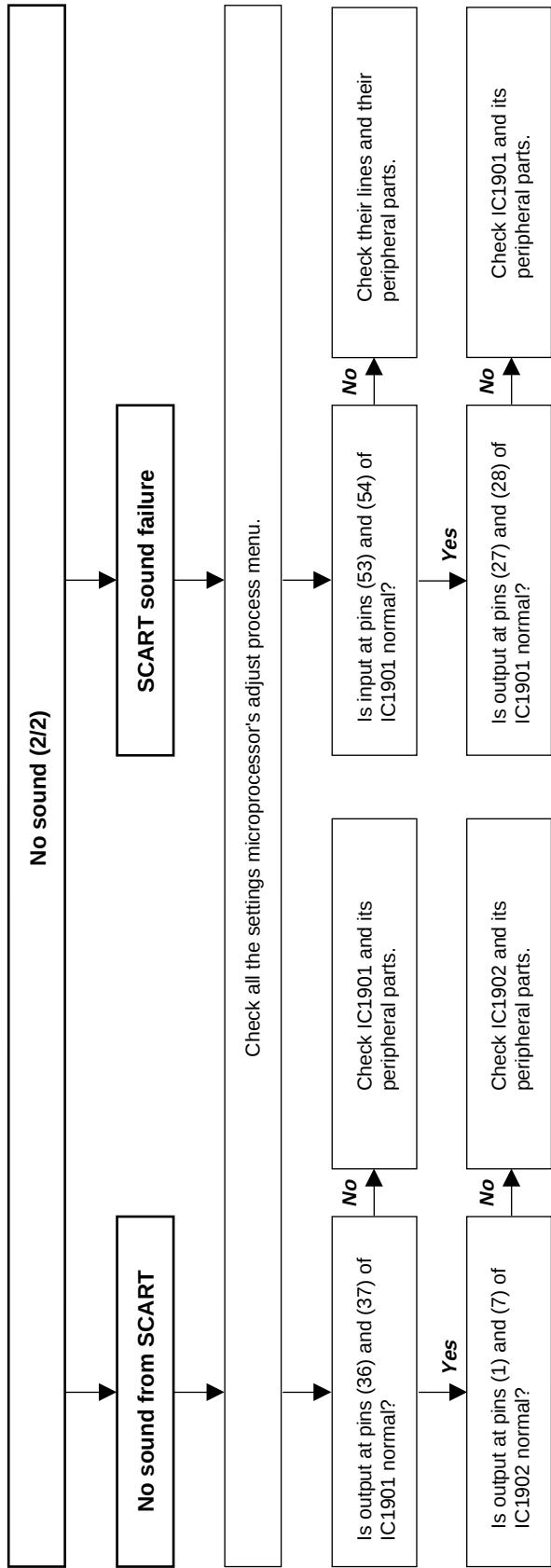


TROUBLE SHOOTING TABLE (Continued)



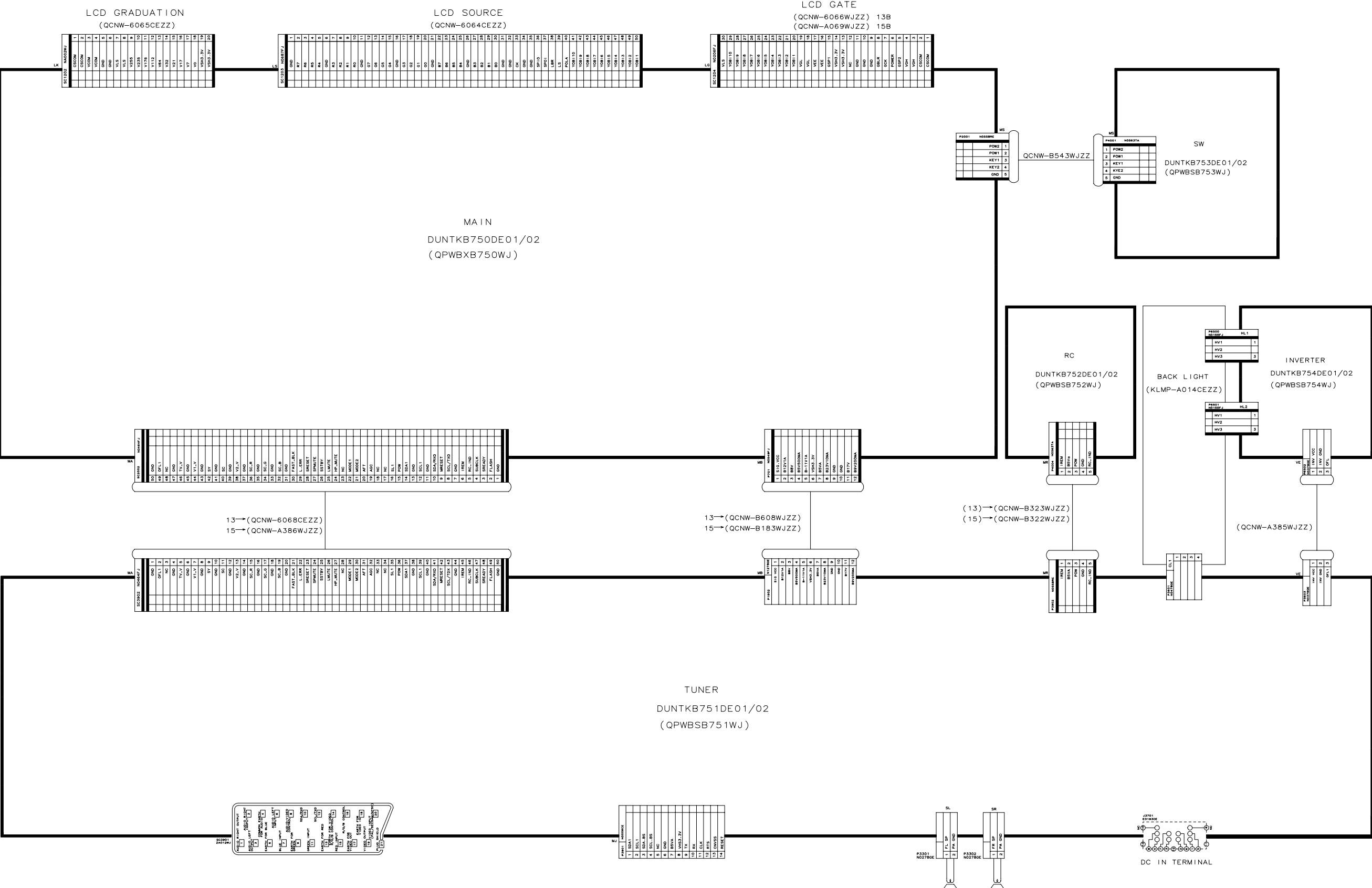
TROUBLE SHOOTING TABLE (Continued)





OVERALL WIRING DIAGRAM

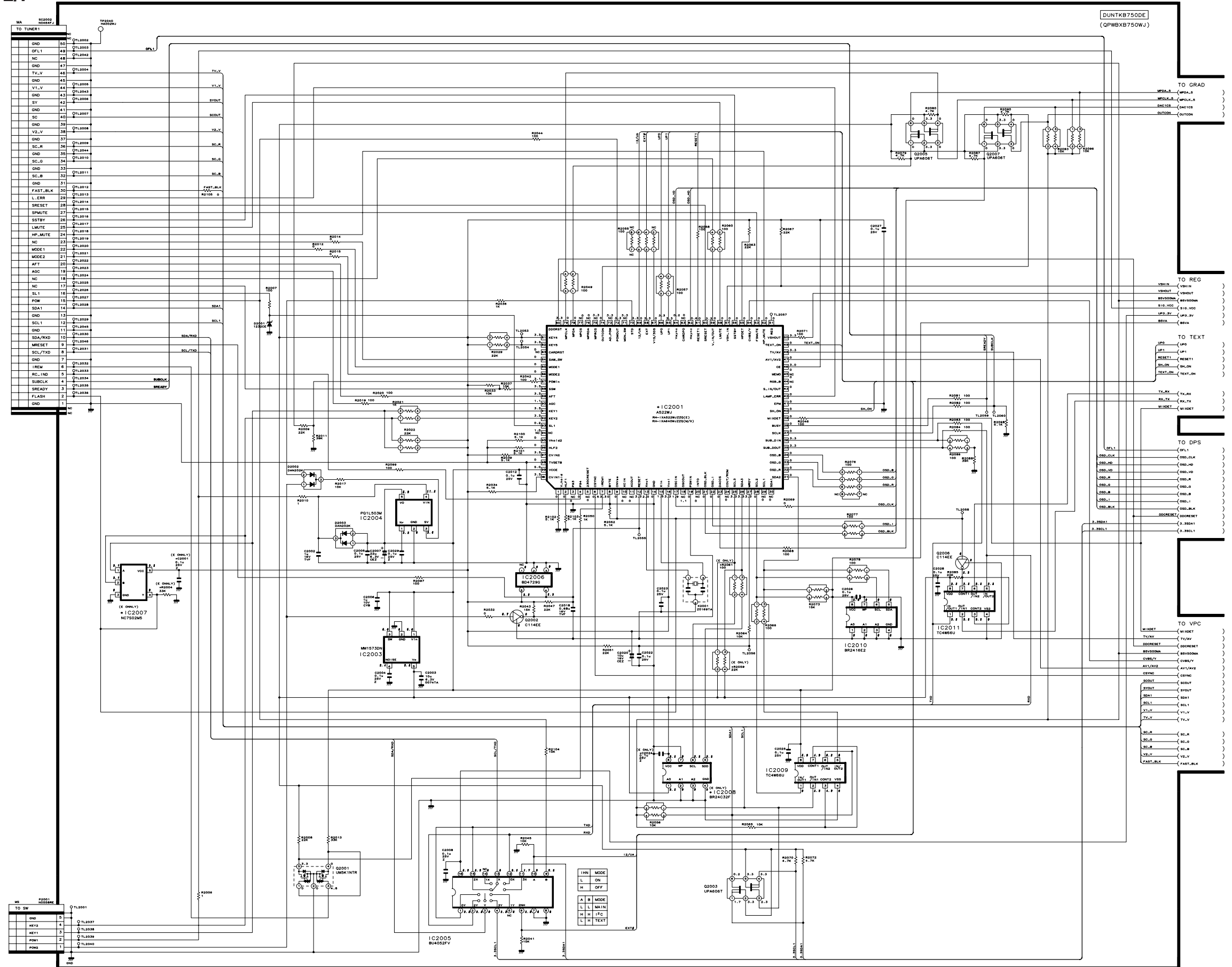
H
G
F
E
D
C
B
A



1 2 3 4 5 6 7 8 9 10 11 12

■ MAIN Unit-1/7

MAIN1 (MICON)



■ MAIN Unit-3/7

MAIN3 (NR)

DUNTKB750DE

(QPWBXB750WJ)

R7004

0

R7003

0

R7006

0

TO VPC

(VPC_7

) VPC_7

(VPC_6

) VPC_6

(VPC_5

) VPC_5

(VPC_4

) VPC_4

(VPC_3

) VPC_3

(VPC_2

) VPC_2

(VPC_1

) VPC_1

(VPC_0

) VPC_0

(LLC2

) LLC2

(VPC_VS

) VPC_VS

(VPC_HS

) VPC_HS

TO DPS

NR_Y7

(NR_Y7

)

NR_Y6

(NR_Y6

)

NR_Y5

(NR_Y5

)

NR_Y4

(NR_Y4

)

NR_Y3

(NR_Y3

)

NR_Y2

(NR_Y2

)

NR_Y1

(NR_Y1

)

NR_Y0

(NR_Y0

)

LLC2

(LLC2

)

OVS

(OVS

)

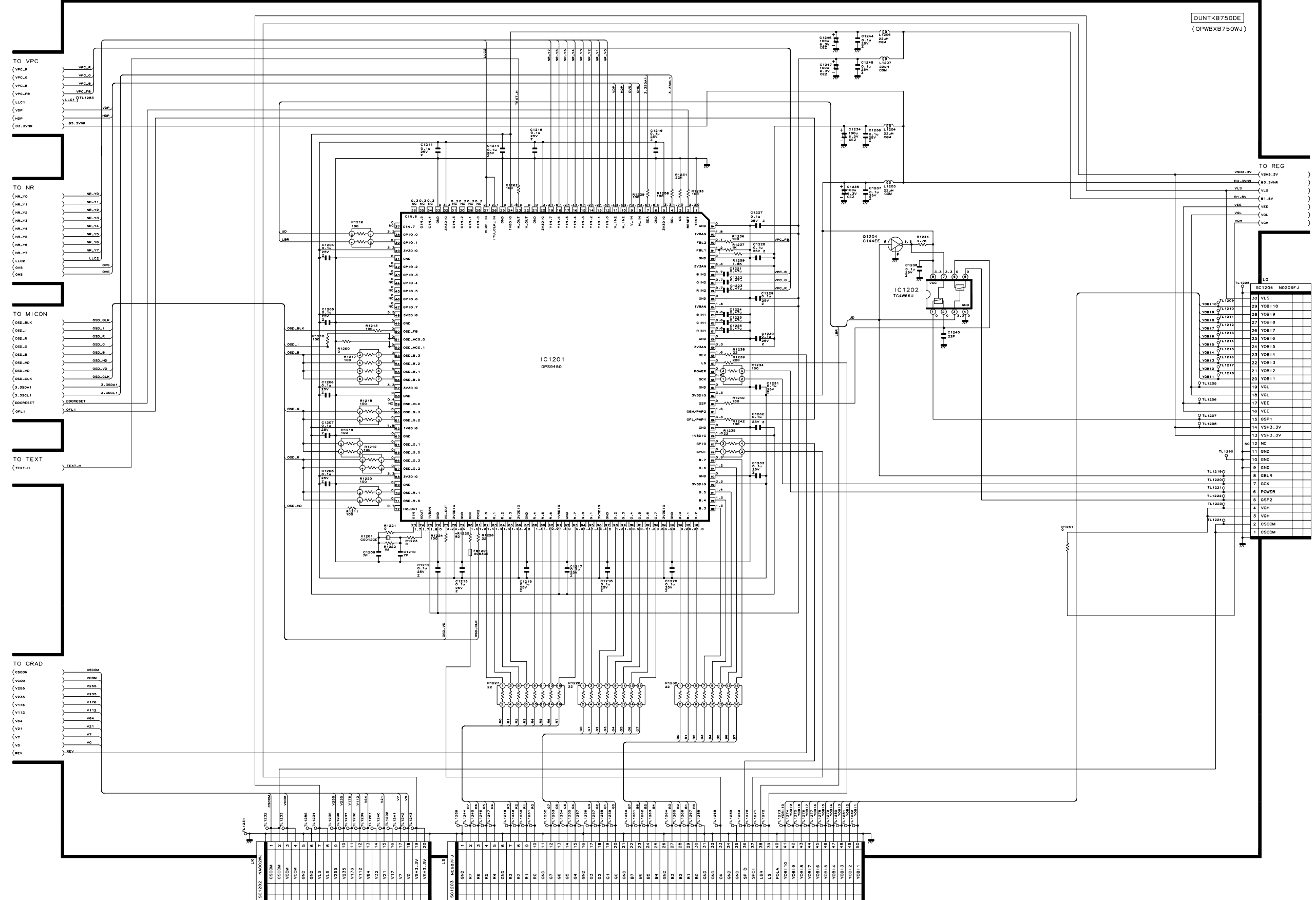
OHS

(OHS

)

MAIN Unit-4/7

MAIN4 (DPS)



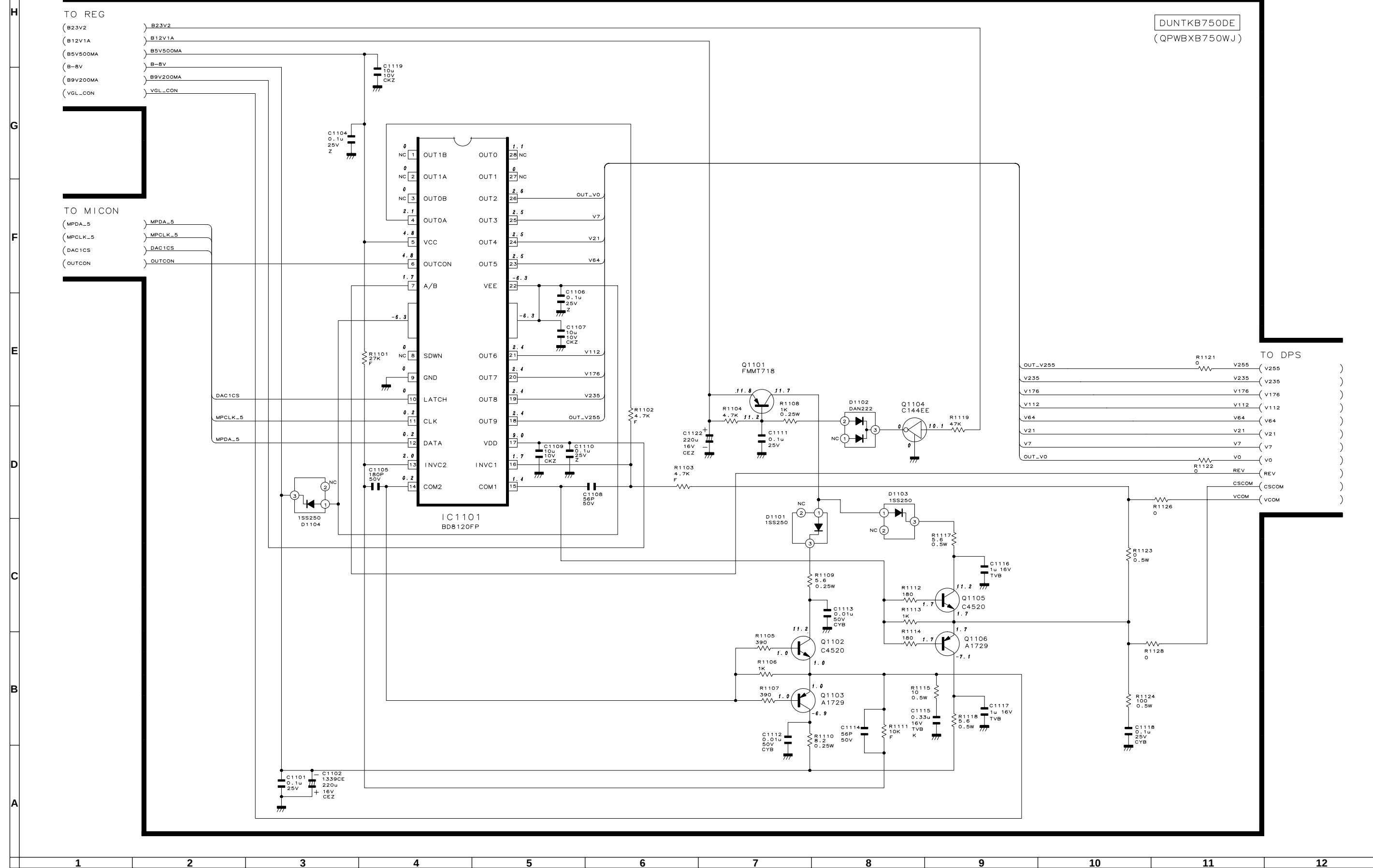
DUNT8750DE
(QPWBX750WJ)

TO REG
VSH3_2V
B3_2VNR
VLS
B1_8V
VEE
VGL
VGH

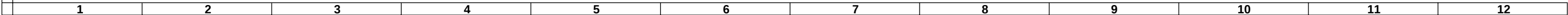
YOB1.0	YOB1.1	YOB1.2	YOB1.3	YOB1.4	YOB1.5	YOB1.6	YOB1.7	YOB1.8	YOB1.9	YOB1.10	YOB1.11	YOB1.12	YOB1.13	YOB1.14	YOB1.15	YOB1.16	YOB1.17	YOB1.18	YOB1.19	YOB1.20	YOB1.21	YOB1.22	YOB1.23	YOB1.24	YOB1.25	YOB1.26	YOB1.27	YOB1.28	YOB1.29	YOB1.30
TL1200	TL1201	TL1202	TL1203	TL1204	TL1205	TL1206	TL1207	TL1208	TL1209	TL1210	TL1211	TL1212	TL1213	TL1214	TL1215	TL1216	TL1217	TL1218	TL1219	TL1220	TL1221	TL1222	TL1223	TL1224	TL1225	TL1226	TL1227	TL1228	TL1229	TL1230

MAIN Unit-5/7

MAIN5 (GRAD)

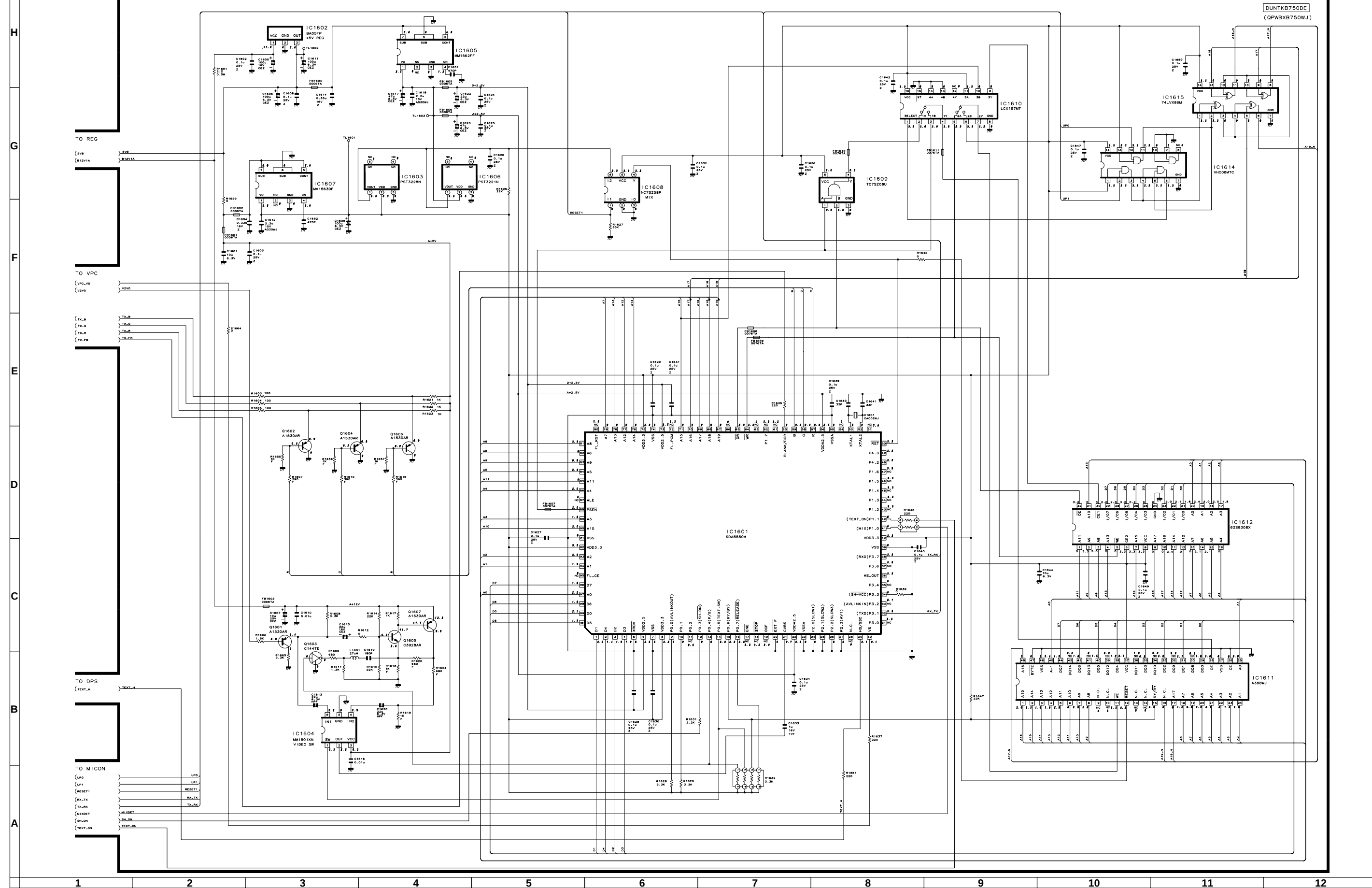


A
B
C
D
E
F
G
H

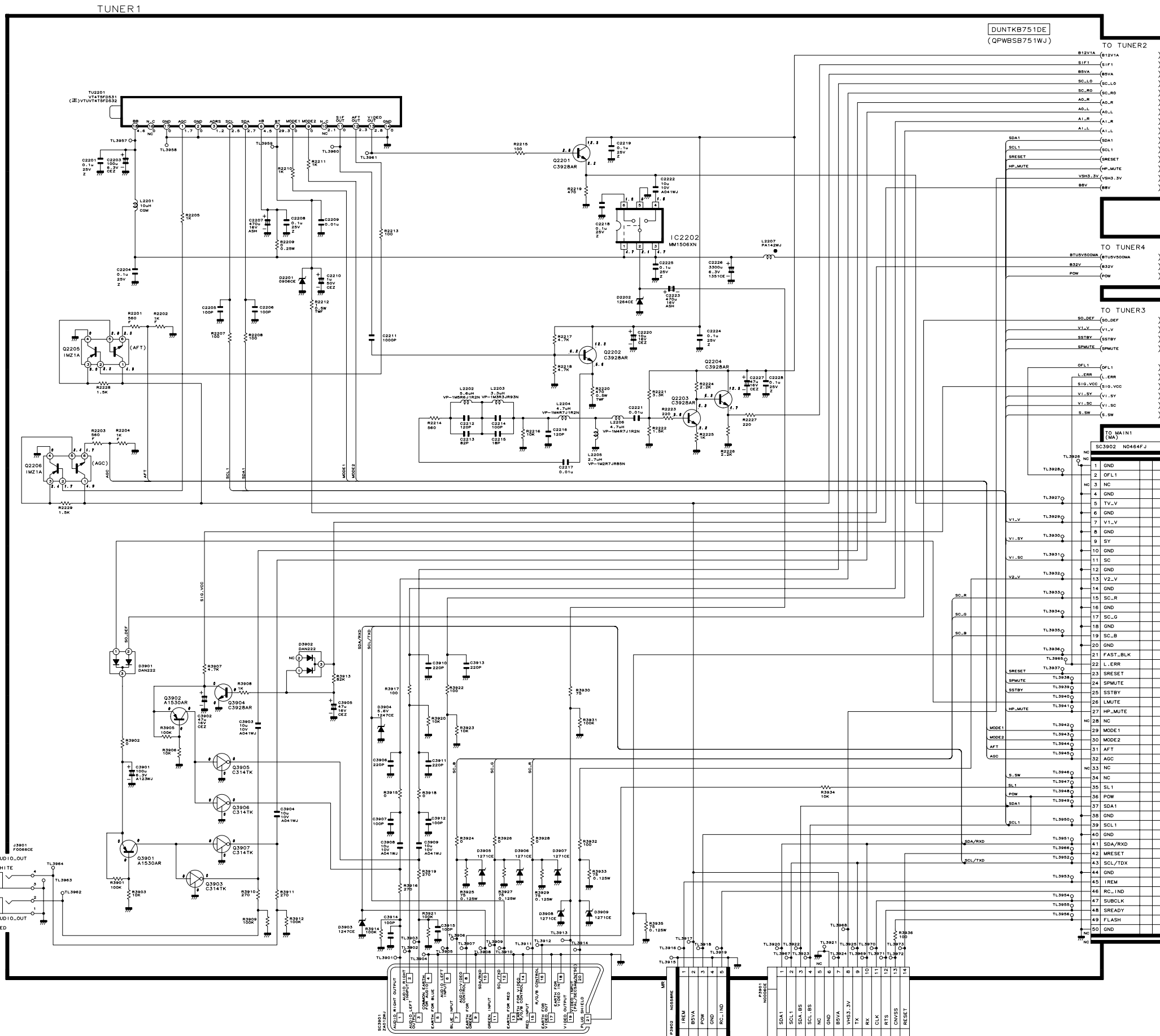


MAIN Unit-7/7

MAIN7 (TEXT)

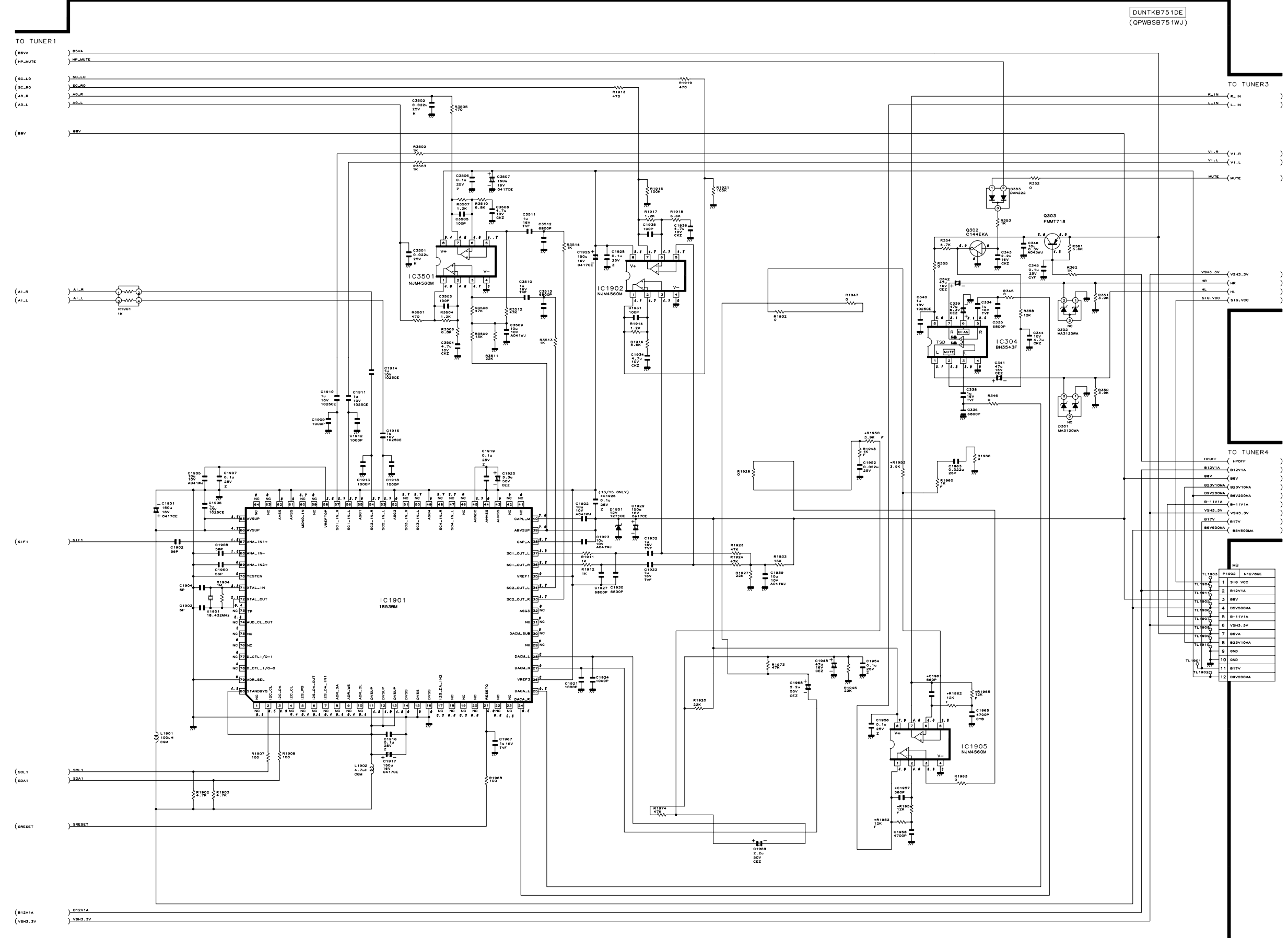


■ TUNER Unit-1/4

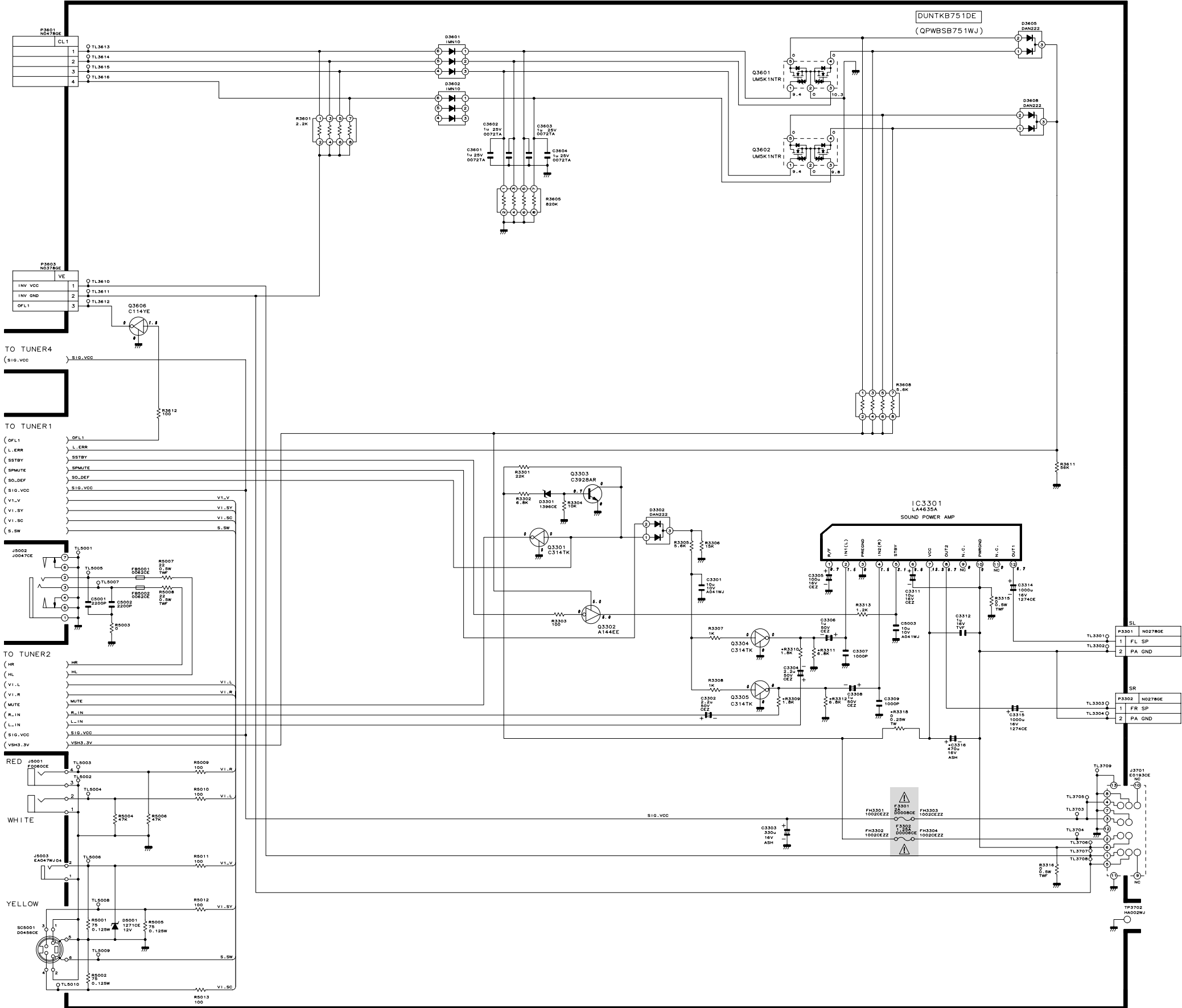


TUNER Unit-2/4

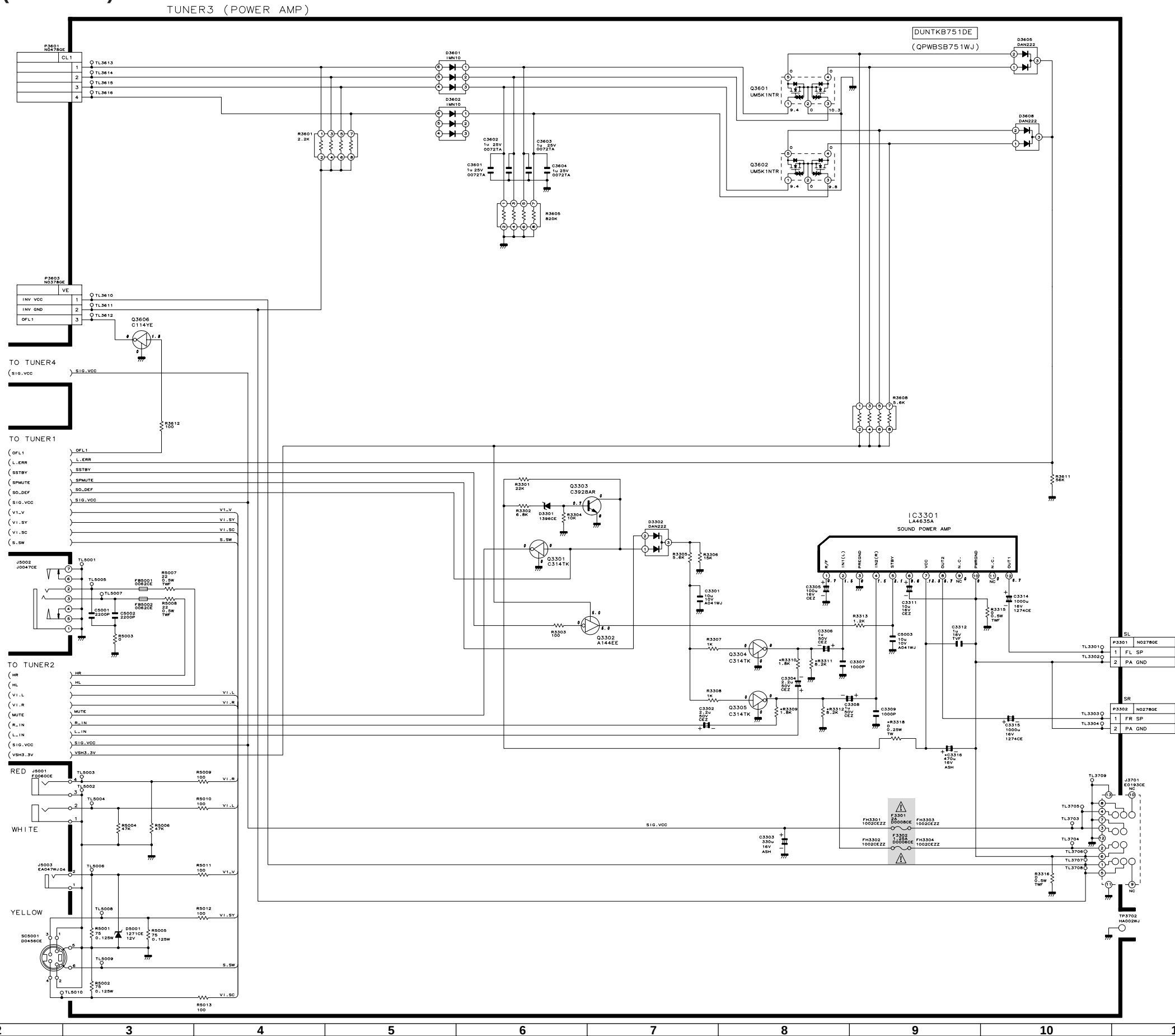
TUNER2 (MSP)



■ TUNER Unit-3/4 (LC-13B4E)



■ TUNER Unit-3/4 (LC-15B4E)



■ TUNER Unit-4/4

TUNER4 (DCDC CONVERTER)

DUNTKB751DE
(QPWBSB751WJ)

TO TUNER1

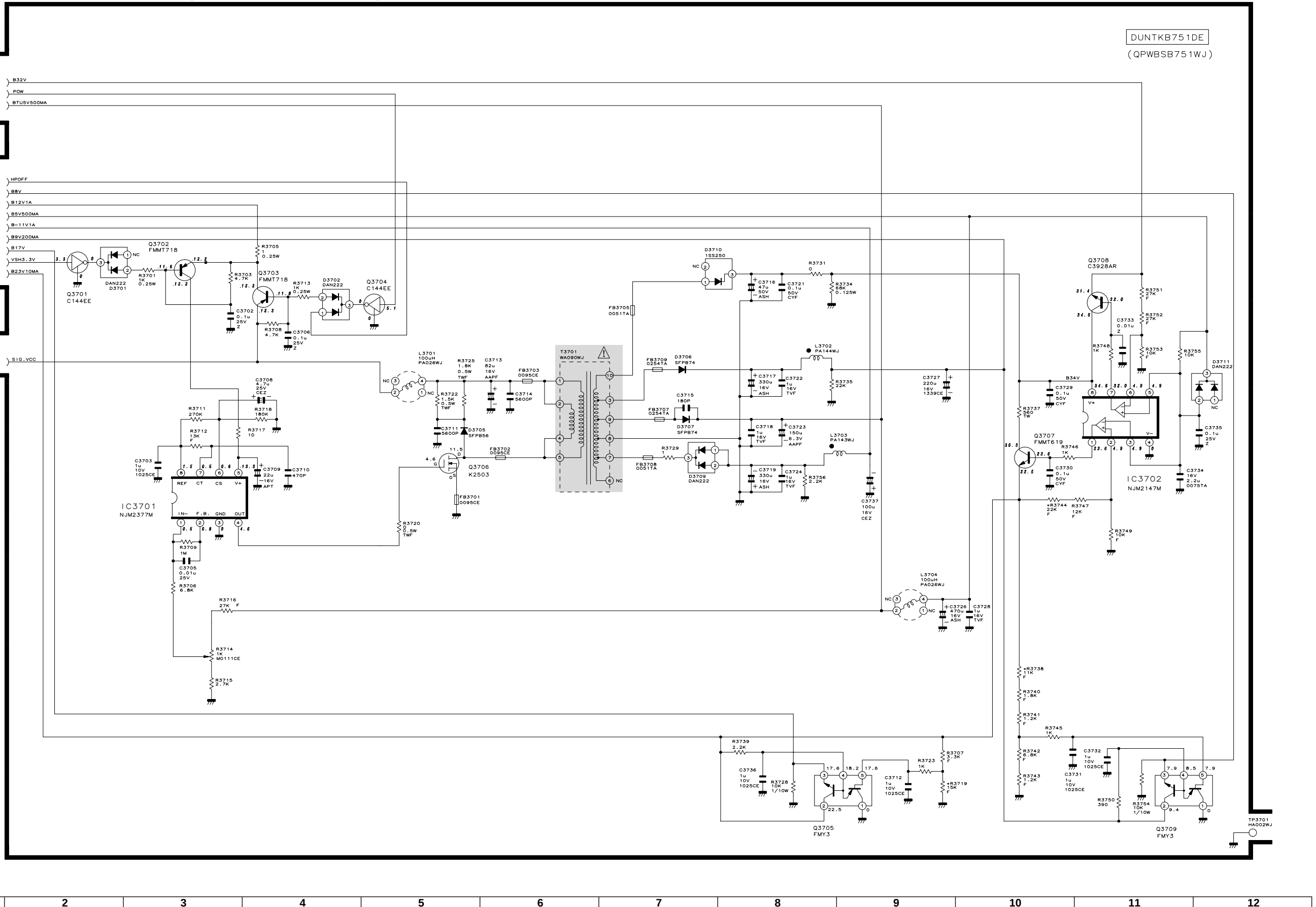
(B32V) B32V
(POW) POW
(BTUSV500MA) BTUSV500MA

TO TUNER2

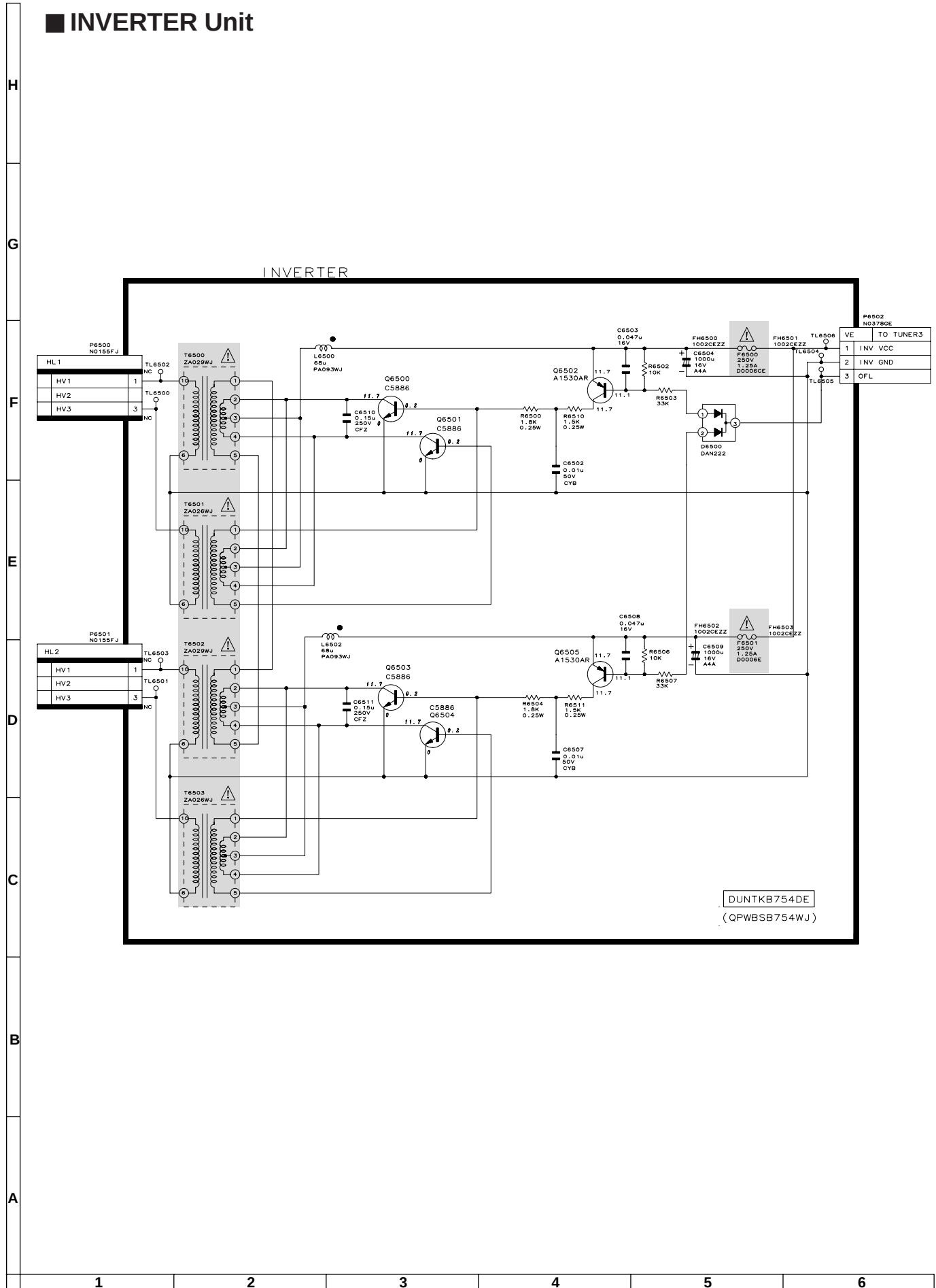
(HPOFF) HPOFF
(BBV) BBV
(B12V1A) B12V1A
(B5V500MA) B5V500MA
(B-11V1A) B-11V1A
(B9V200MA) B9V200MA
(B17V) B17V
(VSH3.3V) VSH3.3V
(B23V10MA) B23V10MA

TO TUNER3

(SIG.VCC) SIG.VCC



INVERTER Unit



PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual; electrical components having such features are identified by  and shaded areas in the Replacement Parts Lists and Schematic Diagrams. The use of a substitute replacement part which does not have the same safety characteristic as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

LC-13B4E

DUNTKB750FE01	—	MAIN Unit	—
DUNTKB751DE01	—	TUNER Unit	—
DUNTKB752DE01	—	R/C,LED Unit	—
DUNTKB753DE01	—	OPERATION Unit	—
DUNTKB754DE01	—	INVERTER Unit	—

LC-15B4E

DUNTKB750FE02	—	MAIN Unit	—
DUNTKB751DE02	—	TUNER Unit	—
DUNTKB752DE02	—	R/C,LED Unit	—
DUNTKB753DE02	—	OPERATION Unit	—
DUNTKB754DE02	—	INVERTER Unit	—

LCD PANEL

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

RLCDA012WJN1	J	13" LCD Panel Unit (LC-13B4E)	CT
RLCDA013WJN1	J	15" LCD Panel Unit (LC-15B4E)	CZ

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

DUNTKB750FE01:LC-13B4E

DUNTKB750FE02:LC-15B4E

MAIN UNIT

INTEGRATED CIRCUITS

IC701	VSUMX2N++++-1Y	J	UMX2N	AB
IC702	VHINJU7662M-1Y	J	NJU7662M(TE2)	AL
IC703	VHINJ79M08D-1Y	J	NJM79M08DL1A	AF
IC704	VHiPQ1R33//1Y	J	PQ1R33	AE
IC705	VHiPQ1R34+-1Y	J	PQ1R34	AE
IC706	VHiLM1117MJ-1Y	J	LM1117MPX-ADJ	AF
IC707	VHiMM1573DN-1Y	J	MM1573DNRE	AD
IC801	VHiVPC3230D1EQ	J	VPC3230D-QA-B3	BD
IC802	VHiBA7046F-1Y	J	BA7046F	AF
IC803	VHiNJM2233V-1Y	J	NJM2233V	AE
IC805	VHiMM1563DF-1Y	J	MM1563DFBE	AE
IC806	VHiNJM2293M-1Y	J	NJM2293M(TE1)	AG
IC808	VHiNJM2268M-1Y	J	NJM2268M-TE1	AF
IC1101	VHiBD8120FP-1Y	J	BD8120FP	AX
IC1201	VHiDPS9450+-1Q	J	DPS9450A-XZ-A1	BD
IC1202	VHiTC4W66U/-1Y	J	TC4W66FU	AE
IC1601	VHiSDA5550M-1Q	J	SDA5550M	AZ
IC1602	VHiBA05FP+-1Y	J	BA05FP-E2	AF
IC1603	VHiPST3228N1EY	J	PST3228NR	AB
IC1604	VHiMM1501XN-1Y	J	MM1501XNRE	AE
IC1605	VHiMM1562FF-1Y	J	MM1562FFBE	AE
IC1606	VHiPST3221N1EY	J	PST3221NR	AB
IC1607	VHiMM1563DF-1Y	J	MM1563DFBE	AE
IC1608	VHiNC7SZ58P-1Y	J	NC7SZ58P6X	AE
IC1609	VHiTC7SZ08U-1Y	J	TC7SZ08FU	AE
IC1610	VHiLCX157MT-1Y	J	74LCX157MTCX	AE
IC1611	RH-IXA388WJZZQ	J	MBM29DL400TC90	AY
IC1612	VHi62S8308X-1Q	J	A62S8308X-70SI	AY
IC1614	VHiVHC08MTC1EY	J	74VHC08MTCX	AD
IC1615	VHi74LVX86M-1Y	J	74LVX86MTCX	AD
IC2001	RH-IXA522WJZZQ	J	M306V3MG-102FP	BB
IC2003	VHiMM1573DN-1Y	J	MM1573DNRE	AD
IC2004	VHiPQ1L503M-1Y	J	PQ1L503M2SP	AD
IC2005	VHiBU4052FV-1Y	J	BU4052BCFV-E2	AE
IC2006	VHiBD4729G+-1Y	J	BD4729G-TR	AD
IC2007	VHiNC7S02M5-1Y	J	NC7S02M5	AD
IC2008	VHiBR24C32F-1Y	J	BR24C32F-E2	AH
IC2009	VHiTC4W66U/-1Y	J	TC4W66FU	AE
IC2010	VHiBR2416E2-1Y	J	BR24C16F	AK
IC2011	VHiTC4W66U/-1Y	J	TC4W66FU	AE

TRANSISTORS

Q701	VS2SA1037KQ-1Y	J	2SA1037KQ	AA
Q702	VSFMMT718//1Y	J	FMMT718	AE
Q703	VSDTC144EE/-1Y	J	DTC144EE	AA
Q803	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q804	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q806	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1101	VSFMMT718//1Y	J	FMMT718	AE
Q1102	VS2SC4520//1Y	J	2SC4520	AE
Q1103	VS2SA1729//1Y	J	2SA1729	AF
Q1104	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1105	VS2SC4520//1Y	J	2SC4520	AE
Q1106	VS2SA1729//1Y	J	2SA1729	AF
Q1204	VSDTC144EE/-1Y	J	DTC144EE	AA
Q1601	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1602	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1603	VSDTC144TE/-1Y	J	DTC144TE	AB
Q1604	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1605	VS2SC3928AR-1Y	J	2SC3928AR	AB
Q1606	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q1607	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q2001	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
Q2002	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2003	VSUPA606T//1Y	J	UPA606T	AD
Q2005	VSUPA606T//1Y	J	UPA606T	AD
Q2006	VSDTC114EE/-1Y	J	DTC114EE	AB
Q2007	VSUPA606T//1Y	J	UPA606T	AD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB750FE01:LC-13B4E					DUNTKB750FE02:LC-15B4E				
MAIN UNIT (Continued)									
DIODES									
D701	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB	C727	VCKYTV1CB105KY	J 1	16V Ceramic	AC
D702	VHDDAN222//1Y	J	Diode	AA	C728	VCKYCY1HF103ZY	J 0.01	50V Ceramic	AA
D703	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB	C801	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D704	VHDDAN222//1Y	J	Diode	AA	C802	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D706	VHDDAN222//1Y	J	Diode	AA	C803	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D707	VHDDAN222//1Y	J	Diode	AA	C804	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D708	RH-EX1245CEZZY	J	Zener Diode, 5.1V	AB	C805	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D709	VHDDAN222//1Y	J	Diode	AA	C806	VCKYCY1AB105KY	J 1	10V Ceramic	AB
D710	VHD1SS250//1EY	J	Diode	AB	C807	VCKYCY1HB222KY	J 2200p	50V Ceramic	AA
D711	VHDDAN202K/-1Y	J	Diode	AB	C808	VCCCCY1HH101JY	J 100p	50V Ceramic	AA
D712	VHDDAN222//1Y	J	Diode	AA	C809	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D713	VHDB481K++1Y	J	Diode	AD	C810	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D714	VHDB491D++1Y	J	Diode	AD	C812	RC-KZA041WJZZY	J 10	10V Ceramic	AC
D1101	VHD1SS250//1EY	J	Diode	AB	C813	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D1102	VHDDAN222//1Y	J	Diode	AA	C814	VCKYCY1AB105KY	J 1	10V Ceramic	AB
D1103	VHD1SS250//1EY	J	Diode	AB	C815	VCKYCY1HB102KY	J 1000p	50V Ceramic	AA
D1104	VHD1SS250//1EY	J	Diode	AB	C818	RC-EZA135WJZZY	J 47	6.3V Electrolytic	AC
D2001	RH-EX1232CEZZY	J	Zener Diode	AB	C819	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
D2002	VHDDAN202K/-1Y	J	Diode	AB	C820	RC-EZA122WJZZY	J 22	6.3V Electrolytic	AB
D2003	VHDDAN202K/-1Y	J	Diode	AB	C821	VCKYTV1CF684ZY	J 0.68	16V Ceramic	AB
PACKAGED CIRCUITS					C822	RC-KZA030WJZZY	J 2.2	10V Ceramic	AB
X801	RCRSC0012CEZZY	J	Crystal	AH	C823	VCKYTV1CF684ZY	J 0.68	16V Ceramic	AB
X1201	RCRSC0012CEZZY	J	Crystal	AH	C824	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
X1601	RCRSCA002WJZZY	J	Crystal	AG	C826	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC
FILTER AND COILS					C828	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
X2001	RFILZ0169TAZZY	J	Filter	AD	C829	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC
FL801	RCILFA033WJZZY	J	Coil	AG	C830	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
FL802	RCILFA033WJZZY	J	Coil	AG	C831	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
L701	RCILPA143WJZZY	J	Coil	AD	C832	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L702	VP-1M470J5R4NY	J	Peaking 47μH	AC	C833	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC
L804	RCILPA143WJZZY	J	Coil	AD	C835	VCKYCY1HB331KY	J 330p	50V Ceramic	AA
L805	RCILPA143WJZZY	J	Coil	AD	C836	VCKYCY1HB331KY	J 330p	50V Ceramic	AA
L806	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC	C837	RC-EZA124WJZZY	J 10	16V Electrolytic	AB
L807	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC	C838	VCKYCY1HB331KY	J 330p	50V Ceramic	AA
L808	VP-9N3R3KR46NY	J	Peaking 3.3μH	AC	C840	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1204	VPCGM220M0R5NY	J	Peaking 22μH	AB	C843	VCCCCY1HH7R0DY	J 7p	50V Ceramic	AA
L1205	VPCGM220M0R5NY	J	Peaking 22μH	AB	C844	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
L1206	VPCGM220M0R5NY	J	Peaking 22μH	AB	C845	VCCCCY1HH7R0DY	J 7p	50V Ceramic	AA
L1207	VPCGM220M0R5NY	J	Peaking 22μH	AB	C846	RC-EZA134WJZZY	J 220	6.3V Electrolytic	AC
L1601	VP-1M270J3R8NY	J	Peaking 27μH	AC	C847	VCKYCY1CF224ZY	J 0.22	16V Ceramic	AB
CAPACITORS					C848	VCKYCY1CF224ZY	J 0.22	16V Ceramic	AB
C701	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C849	VCKYCY1CF224ZY	J 0.22	16V Ceramic	AB
C702	VCEASK1CN227MY	J 220	16V Electrolytic	AC	C850	RC-KZ0117TAZZY	J 4.7	6.3V Ceramic	AD
C703	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC	C851	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C704	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C852	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C705	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C853	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C706	RC-KZ0075TAZZY	J 2.2	16V Ceramic	AC	C854	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C707	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C855	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C708	RC-EZA129WJZZY	J 2.2	50V Electrolytic	AB	C856	RC-KZ1025CEZZY	J 1	10V Ceramic	AB
C709	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C857	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C710	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C863	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C711	RC-EZA132WJZZY	J 10	50V Electrolytic	AC	C867	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C712	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C868	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C713	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C869	VCKYCY1EB473KY	J 0.047	25V Ceramic	AA
C714	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C870	RC-KZA030WJZZY	J 2.2	10V Ceramic	AB
C715	RC-EZA132WJZZY	J 10	50V Electrolytic	AC	C871	RC-KZA030WJZZY	J 2.2	10V Ceramic	AB
C716	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C872	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C717	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C873	VCKYCY1AB224KY	J 0.22	10V Ceramic	AB
C718	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C874	VCKYCY1AB224KY	J 0.22	10V Ceramic	AB
C719	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC	C875	VCKYCY1AB224KY	J 0.22	10V Ceramic	AB
C720	VCEASH0JN227MY	J 220	6.3V Electrolytic	AC	C1101	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C721	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1102	RC-EZ1339CEZZY	J 220	16V Electrolytic	AD
C722	RC-EZA131WJZZY	J 4.7	50V Electrolytic	AC	C1104	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C723	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1105	VCCCCY1HH181JY	J 180p	50V Ceramic	AA
C724	RC-EZA132WJZZY	J 10	50V Electrolytic	AC	C1106	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C725	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1107	RC-KZA041WJZZY	J 10	10V Ceramic	AC
C726	RC-EZA132WJZZY	J 10	50V Electrolytic	AC	C1108	VCCCCY1HH560JY	J 56p	50V Ceramic	AB
					C1109	RC-KZA041WJZZY	J 10	10V Ceramic	AC
					C1110	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1111	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
					C1112	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
					C1113	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA
					C1114	VCCCCY1HH560JY	J 56p	50V Ceramic	AB
					C1115	VCKYTV1CB334KY	J 0.33	16V Ceramic	AC
					C1116	VCKYTV1CB105KY	J 1	16V Ceramic	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB750FE01:LC-13B4E					DUNTKB750FE02:LC-15B4E				
MAIN UNIT (Continued)									
C1117	VCKYTV1CB105KY	J 1	16V Ceramic	AC	C1629	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1118	VCKYCY1EB104KY	J 0.1	25V Ceramic	AB	C1630	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1119	RC-KZA041WJZZY	J 10	10V Ceramic	AC	C1631	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1122	RC-EZ1339CEZZY	J 220	16V Electrolytic	AD	C1632	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1204	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1633	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C1205	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1634	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1206	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1636	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1207	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1639	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1208	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1640	VCCCCY1HH330JY	J 33p	50V Ceramic	AA
C1209	VCCCCY1HH7R0DY	J 7p	50V Ceramic	AA	C1641	VCCCCY1HH330JY	J 33p	50V Ceramic	AA
C1210	VCCCCY1HH7R0DY	J 7p	50V Ceramic	AA	C1642	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1211	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1643	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1212	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1644	RC-KZ0074TAZZY	J 10	6.3V Ceramic	AF
C1213	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1647	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1214	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1649	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1215	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1650	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1216	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1651	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C1217	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C1652	VCCCCY1HH471JY	J 470p	50V Ceramic	AA
C1218	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2001	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1219	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2002	VCKYTV1CF105ZY	J 1	16V Ceramic	AB
C1220	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2003	RC-KZ0074TAZZY	J 10	6.3V Ceramic	AF
C1221	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2004	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1222	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2005	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1223	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2006	VCKYCY1AB105KY	J 1	10V Ceramic	AB
C1224	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2007	RC-EZA122WJZZY	J 22	6.3V Electrolytic	AB
C1225	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2008	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1226	VCKYCY1CF474ZY	J 0.47	16V Ceramic	AB	C2012	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1227	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2018	VCKYTV1CF684ZY	J 0.68	16V Ceramic	AB
C1228	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2020	RC-EZA124WJZZY	J 10	16V Electrolytic	AB
C1229	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2022	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1230	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2023	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1231	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2024	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1232	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2025	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1233	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2026	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1234	RC-EZA143WJZZY	J 100	6.3V Electrolytic	AC	C2027	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1235	RC-EZA143WJZZY	J 100	6.3V Electrolytic	AC	C2028	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1236	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	C2029	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA
C1237	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	RESISTORS				
C1238	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R701	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C1240	VCCCCY1HH220JY	J 22p	50V Ceramic	AA	R702	VRS-CY1JF682JY	J 6.8k	1/16W Metal Oxide	AA
C1244	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R703	VRS-CY1JF562JY	J 5.6k	1/16W Metal Oxide	AA
C1245	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R704	VRS-CY1JF1R0JY	J 1	1/16W Metal Oxide	AA
C1246	RC-EZA143WJZZY	J 100	6.3V Electrolytic	AC	R707	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1247	RC-EZA143WJZZY	J 100	6.3V Electrolytic	AC	R708	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
C1601	RC-KZ0074TAZZY	J 10	6.3V Ceramic	AF	R709	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
C1602	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R710	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
C1603	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R711	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1604	VCKYCY1CF334ZY	J 0.33	16V Ceramic	AB	R712	VRS-CY1JF680FY	J 68	1/16W Metal Oxide	AA
C1605	RC-EZA127WJZZY	J 100	6.3V Electrolytic	AC	R713	VRS-CY1JF272JY	J 2.7k	1/16W Metal Oxide	AA
C1606	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC	R714	VRS-CY1JF151FY	J 150	1/16W Metal Oxide	AA
C1607	RC-EZA199WJZZY	J 10	25V Electrolytic	AC	R715	VRS-TX2HF330JY	J 33	1/2W Metal Oxide	AB
C1608	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R716	VRS-TV1JD562JY	J 5.6k	1/10W Metal Oxide	AA
C1609	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC	R717	VRS-TW2ED150JY	J 15	1/4W Metal Oxide	AA
C1610	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R718	VRS-TX2HF472JY	J 4.7k	1/2W Metal Oxide	AB
C1611	RC-EZA123WJZZY	J 100	6.3V Electrolytic	AC	R805	VRS-CY1JF561FY	J 560	1/16W Metal Oxide	AA
C1612	RC-KZA030WJZZY	J 2.2	10V Ceramic	AB	R807	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1613	VCE9PF0JN226MY	J 22	6.3V Elect. (N.P)	AD	R809	VRS-CY1JF474JY	J 470k	1/16W Metal Oxide	AA
C1614	VCKYCY1CF334ZY	J 0.33	16V Ceramic	AB	R811	VRS-CY1JF104JY	J 100k	1/16W Metal Oxide	AA
C1615	RC-EZA125WJZZY	J 22	16V Electrolytic	AC	R812	VRS-CY1JF333JY	J 33k	1/16W Metal Oxide	AA
C1616	VCKYCY1HB103KY	J 0.01	50V Ceramic	AA	R813	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1617	RC-EZA135WJZZY	J 47	6.3V Electrolytic	AC	R815	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1618	RC-KZA030WJZZY	J 2.2	10V Ceramic	AB	R817	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1619	VCCCCY1HH181JY	J 180p	50V Ceramic	AA	R818	VRS-CY1JF103JY	J 10k	1/16W Metal Oxide	AA
C1620	VCE9PF0JN226MY	J 22	6.3V Elect. (N.P)	AD	R820	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1622	RC-EZA122WJZZY	J 22	6.3V Electrolytic	AB	R822	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1623	RC-EZA135WJZZY	J 47	6.3V Electrolytic	AC	R823	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1624	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R824	VRS-CY1JF152JY	J 1.5k	1/16W Metal Oxide	AA
C1625	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R830	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C1626	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R835	VRS-CY1JF101JY	J 100	1/16W Metal Oxide	AA
C1627	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R836	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
C1628	VCKYCY1EF104ZY	J 0.1	25V Ceramic	AA	R837	VRS-CY1JF000JY	J 0	1/16W Metal Oxide	AA
					R838	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
					R839	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA
					R840	VRS-CY1JF102JY	J 1k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code		
DUNTKB750FE01:LC-13B4E					DUNTKB750FE02:LC-15B4E						
MAIN UNIT (Continued)											
R841	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R1259	VRS-CY1JF182JY	J	1.8k	1/16W Metal Oxide	AA
R842	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R1260	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R843	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R1262	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R845	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R1601	VRS-TX2HF2R2JY	J	2.2	1/2W Metal Oxide	AB
R847	VRS-CA1JF220JY	J	22	1/16W Metal Oxide	AA	R1602	VRS-CY1JF152JY	J	1.5k	1/16W Metal Oxide	AA
R849	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA	R1603	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R856	VRS-CY1JF392FY	J	3.9k	1/16W Metal Oxide	AA	R1604	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R858	VRS-CY1JF561FY	J	560	1/16W Metal Oxide	AA	R1605	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R859	VRS-CY1JF561FY	J	560	1/16W Metal Oxide	AA	R1607	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R860	VRS-CY1JF561FY	J	560	1/16W Metal Oxide	AA	R1608	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R861	VRS-CY1JF105JY	J	1M	1/16W Metal Oxide	AA	R1609	VRS-CY1JF681JY	J	680	1/16W Metal Oxide	AA
R872	VRS-CB1JF000JY	J	0	1/16W Metal Oxide	AC	R1610	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R873	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA	R1611	VRS-CY1JF132JY	J	1.3k	1/16W Metal Oxide	AG
R874	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA	R1612	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R875	VRS-CY1JF750JY	J	75	1/16W Metal Oxide	AA	R1614	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1101	VRS-CY1JF273FY	J	27k	1/16W Metal Oxide	AA	R1615	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1102	VRS-CY1JF472FY	J	4.7k	1/16W Metal Oxide	AA	R1616	VRS-CY1JF391FY	J	390	1/16W Metal Oxide	AA
R1103	VRS-CY1JF472FY	J	4.7k	1/16W Metal Oxide	AA	R1617	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1104	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	R1618	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1105	VRS-CY1JF391JY	J	390	1/16W Metal Oxide	AA	R1619	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1106	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA	R1620	VRS-CY1JF681FY	J	680	1/16W Metal Oxide	AA
R1107	VRS-CY1JF391JY	J	390	1/16W Metal Oxide	AA	R1621	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1108	VRS-TW2ED102JY	J	1k	1/4W Metal Oxide	AA	R1622	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1109	VRS-TW2ED5R6JY	J	5.6	1/4W Metal Oxide	AA	R1623	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1110	VRS-TW2ED8R2JY	J	8.2	1/4W Metal Oxide	AA	R1624	VRS-CY1JF681FY	J	680	1/16W Metal Oxide	AA
R1111	VRS-CY1JF103FY	J	10k	1/16W Metal Oxide	AA	R1625	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1112	VRS-CY1JF181JY	J	180	1/16W Metal Oxide	AA	R1627	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1113	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA	R1628	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1114	VRS-CY1JF181JY	J	180	1/16W Metal Oxide	AA	R1629	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1115	VRS-TX2HF100JY	J	10	1/2W Metal Oxide	AB	R1631	VRS-CY1JF222JY	J	2.2k	1/16W Metal Oxide	AA
R1117	VRS-TX2HF5R6JY	J	5.6	1/2W Metal Oxide	AB	R1632	VRS-CB1JF332JY	J	3.3k	1/16W Metal Oxide	AC
R1118	VRS-TX2HF5R6JY	J	5.6	1/2W Metal Oxide	AB	R1635	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1119	VRS-CY1JF473JY	J	47k	1/16W Metal Oxide	AA	R1637	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1121	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R1639	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1122	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R1642	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1123	VRS-TX2HF000JY	J	0	1/2W Metal Oxide	AB	R1645	VRS-CA1JF221JY	J	220	1/16W Metal Oxide	AC
R1124	VRS-TX2HF101JY	J	100	1/2W Metal Oxide	AA	R1647	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1126	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R1655	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1128	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R1656	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1210	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R1657	VRS-CY1JF102FY	J	1k	1/16W Metal Oxide	AA
R1211	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R1659	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1212	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R1661	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA
R1213	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R1664	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1216	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R1665	VRS-CY1JF332JY	J	3.3k	1/16W Metal Oxide	AA
R1217	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA	R2004	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1218	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R2006	VRS-CY1JF1R0JY	J	1	1/16W Metal Oxide	AA
R1219	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R2007	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1220	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R2008	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1221	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R2009	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
R1222	VRS-CY1JF105JY	J	1M	1/16W Metal Oxide	AA	R2010	VRS-CY1JF1R0JY	J	1	1/16W Metal Oxide	AA
R1223	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R2011	VRS-CY1JF393JY	J	39k	1/16W Metal Oxide	AA
R1224	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2012	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1225	VRS-CY1JF820JY	J	82	1/16W Metal Oxide	AA	R2013	VRS-CY1JF333JY	J	33k	1/16W Metal Oxide	AA
R1226	VRS-CY1JF220JY	J	22	1/16W Metal Oxide	AA	R2014	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1227	VRK-CD1JJ220JY	J	22	1/16W Metal Compo	AC	R2015	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1228	VRK-CD1JJ220JY	J	22	1/16W Metal Compo	AC	R2017	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R1229	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2019	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1231	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA	R2020	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1232	VRK-CD1JJ220JY	J	22	1/16W Metal Compo	AC	R2021	VRS-CA1JF102JY	J	1k	1/16W Metal Oxide	AA
R1233	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2022	VRS-CA1JF223JY	J	22k	1/16W Metal Oxide	AA
R1234	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	R2029	VRS-CA1JF223JY	J	22k	1/16W Metal Oxide	AA
R1235	VRS-CA1JF220JY	J	22	1/16W Metal Oxide	AA	R2032	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA
R1236	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2033	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R1237	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA	R2034	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R1238	VRS-CY1JF220JY	J	22	1/16W Metal Oxide	AA	R2036	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA
R1239	VRS-CY1JF221JY	J	220	1/16W Metal Oxide	AA	R2037	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R1240	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2039	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA
R1242	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2041	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
R1244	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	R2042	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
R1251	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	R2043	VRS-CY1JF153JY	J	15k	1/16W Metal Oxide	AA
R1258	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	R2044	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
						R2045	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA
						R2046	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA
						R2047	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA
						R2049	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code	
DUNTKB750FE01:LC-13B4E					DUNTKB751FE01:LC-13B4E					
DUNTKB750FE02:LC-15B4E					DUNTKB751FE02:LC-15B4E					
MAIN UNIT (Continued)					TUNER UNIT					
R2050	VRS-CY1JF102JY	J	1k	1/16W Metal Oxide	AA	TUNER				
R2051	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA	NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.				
R2052	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	TU2201	VTUVT4T5FD532	J	Tuner	BF
R2055	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA	INTEGRATED CIRCUITS				
R2056	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA	IC304	VHiBH3543F+-1Y	J	BH3543F-E2	AE
R2057	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	IC1901	RH-iX1853BMZZQ	J	MSP3410G-QG-B8	BB
R2058	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	IC1902	VHiNJM4560M-1Y	J	NJM4560M	AG
R2059	VRS-CA1JF223JY	J	22k	1/16W Metal Oxide	AA	IC1905	VHiNJM4560M-1Y	J	NJM4560M	AG
R2060	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	IC2202	VHiMM1506XN-1Y	J	MM1506XNRE	AD
R2061	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	IC3301	VHiLA4635A+-1S	J	LA4635A	AM
R2063	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA	IC3501	VHiNJM4560M-1Y	J	NJM4560M	AG
R2064	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA	IC3701	VHiNJM2377M-1Y	J	NJM2377M	AK
R2065	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA	IC3702	VHiNJM2147M-1Y	J	NJM2147M-TE1	AF
R2066	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	TRANSISTORS				
R2067	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA	Q302	VSDTC144EKA-1Y	J	DTC144EKA	AB
R2068	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q303	VSFMMT718//--1Y	J	FMMT718	AE
R2069	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	Q2201	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2070	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q2202	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2071	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q2203	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2072	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q2204	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2073	VRS-CA1JF153JY	J	15k	1/16W Metal Oxide	AB	Q2205	VSIMZ1A////-1Y	J	IMZ1A	AC
R2076	VRS-CB1JF101JY	J	100	1/16W Metal Oxide	AA	Q2206	VSIMZ1A////-1Y	J	IMZ1A	AC
R2077	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	Q3301	VSDTC314TK/-1Y	J	DTC314TK	AC
R2078	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	Q3302	VSDTA144EE/-1Y	J	DTA144EE	AA
R2079	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q3303	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2080	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q3304	VSDTC314TK/-1Y	J	DTC314TK	AC
R2081	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3305	VSDTC314TK/-1Y	J	DTC314TK	AC
R2082	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3601	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
R2083	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3602	VSUM5K1NTR+-1Y	J	UM5K1NTR	AC
R2084	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3606	VSDTC114YE/-1Y	J	DTC114YE	AB
R2085	VRS-CY1JF223JY	J	22k	1/16W Metal Oxide	AA	Q3701	VSDTC144EE/-1Y	J	DTC144EE	AA
R2086	VRS-CA1JF101JY	J	100	1/16W Metal Oxide	AA	Q3702	VSFMMT718//--1Y	J	FMMT718	AE
R2087	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q3703	VSFMMT718//--1Y	J	FMMT718	AE
R2088	VRS-CY1JF393JY	J	39k	1/16W Metal Oxide	AA	Q3704	VSDTC144EE/-1Y	J	DTC144EE	AA
R2090	VRS-CY1JF472JY	J	4.7k	1/16W Metal Oxide	AA	Q3705	VSFMY3/////1Y	J	FMY3	AB
R2093	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA	Q3706	VS2SK2503//--1Y	J	2SK2503	AE
R2096	VRS-CA1JF103JY	J	10k	1/16W Metal Oxide	AA	Q3707	VSFMMT619//--1Y	J	FMMT619	AE
R2097	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3708	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2098	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	Q3709	VSFMY3/////1Y	J	FMY3	AB
R2099	VRS-CY1JF101JY	J	100	1/16W Metal Oxide	AA	Q3901	VS2SA1530AR-1Y	J	2SA1530AR	AB
R2100	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	Q3902	VS2SA1530AR-1Y	J	2SA1530AR	AB
R2101	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	Q3903	VSDTC314TK/-1Y	J	DTC314TK	AC
R2102	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	Q3904	VS2SC3928AR-1Y	J	2SC3928AR	AB
R2103	VRS-CY1JF512JY	J	5.1k	1/16W Metal Oxide	AA	Q3905	VSDTC314TK/-1Y	J	DTC314TK	AC
R2104	VRS-CY1JF103JY	J	10k	1/16W Metal Oxide	AA	Q3906	VSDTC314TK/-1Y	J	DTC314TK	AC
R2105	VRS-CY1JF000JY	J	0	1/16W Metal Oxide	AA	Q3907	VSDTC314TK/-1Y	J	DTC314TK	AC
R7003	VRS-CB1JF000JY	J	0	1/16W Metal Oxide	AC	DIODES				
R7004	VRS-CB1JF000JY	J	0	1/16W Metal Oxide	AC	D301	VHDMA3120WA-1Y	J	Diode	AD
R7006	VRS-CA1JF000JY	J	0	1/16W Metal Oxide	AB	D302	VHDMA3120WA-1Y	J	Diode	AD
MISCELLANEOUS PARTS					D303	VHDDAN222//--1Y	J	Diode	AA	
FB1201	RBLN-0083GEZZY	J	Ferrite Bead	AB	D1901	RH-EX1271CEZZY	J	Zener Diode, 12V	AB	
FB1601	RBLN-0006TAZZY	J	Ferrite Bead	AB	D2201	RH-EX0906CEZZY	J	Zener Diode	AD	
FB1602	RBLN-0006TAZZY	J	Ferrite Bead	AB	D2202	RH-EX1264CEZZY	J	Zener Diode	AB	
FB1603	RBLN-0006TAZZY	J	Ferrite Bead	AB	D3301	RH-EX1396CEZZY	J	Zener Diode	AB	
FB1604	RBLN-0006TAZZY	J	Ferrite Bead	AB	D3302	VHDDAN222//--1Y	J	Diode	AA	
FB1605	RBLN-0006TAZZY	J	Ferrite Bead	AB	D3601	VHDI MN10///--1Y	J	Diode	AB	
FB1606	RBLN-0006TAZZY	J	Ferrite Bead	AB	D3602	VHDI MN10///--1Y	J	Diode	AB	
FB1607	RBLN-0076TAZZY	J	Ferrite Bead	AC	D3605	VHDDAN222//--1Y	J	Diode	AA	
FB1608	RBLN-0076TAZZY	J	Ferrite Bead	AC	D3608	VHDDAN222//--1Y	J	Diode	AA	
FB1609	RBLN-0076TAZZY	J	Ferrite Bead	AC	D3701	VHDDAN222//--1Y	J	Diode	AA	
FB1610	RBLN-0076TAZZY	J	Ferrite Bead	AC	D3702	VHDDAN222//--1Y	J	Diode	AA	
FB1611	RBLN-0076TAZZY	J	Ferrite Bead	AC	D3705	VHDSFPB56//2EY	J	Diode	AC	
P701	QPLGN0549FJZZY	J	Plug, 12-pin(MB)	AE	D3706	VHDSFPB74//2EY	J	Diode	AD	
P702	QPLGN0274TAZZY	J	Plug, 2-pin	AC	D3707	VHDSFPB74//2EY	J	Diode	AD	
P2001	QPLGN0558REZZY	J	Plug, 5-pin(MS)	AE	D3709	VHDDAN222//--1Y	J	Diode	AA	
SC1202	QSOCNA002WJPZY	J	Socket, 20-pin(LK)	AD	D3710	VHD1SS250//1EY	J	Diode	AB	
SC1203	QSOCN0687FJZZY	J	Socket, 50-pin(LS)	AF	D3711	VHDDAN222//--1Y	J	Diode	AA	
SC1204	QSOCN0206FJZZY	J	Socket, 30-pin(LG)	AF						
SC2002	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH						
TP2040	QLUGHA002WJZZ	J	Lug	AB						
	PSPAHA229WJZZ	J	Spacer							

Ref. No.	Part No.	★	Description	Code
DUNTKB751FE01:LC-13B4E DUNTKB751FE02:LC-15B4E TUNER UNIT (Continued)				
D3901	VHDDAN222/-1Y	J	Diode	AA
D3902	VHDDAN222/-1Y	J	Diode	AA
D3903	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D3904	RH-EX1247CEZZY	J	Zener Diode, 5.6V	AB
D3905	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3906	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3907	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3908	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D3909	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D5001	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
PACKAGED CIRCUITS				
X1901	RCRSB0250GEZZ	J	Crystal, 18.432MHz	AG
COILS				
L1901	VPCGM101M2R1NY	J	Peaking 100μH	AB
L1902	VPCGM4R7MR13NY	J	Peaking 4.7μH	AB
L2201	VPCGM100MR25NY	J	Peaking 10μH	AB
L2202	VP-1M5R6J1R2NY	J	Peaking 5.6μH	AB
L2203	VP-1M3R3JR93NY	J	Peaking 3.3μH	AB
L2204	VP-1M4R7J1R2NY	J	Peaking 4.7μH	AB
L2205	VP-1M2R7JR85NY	J	Peaking 2.7μH	AB
L2206	VP-1M4R7J1R2NY	J	Peaking 4.7μH	AB
L2207	RCiLPA142WJZZ	J	Coil	AD
L3701	RCiLPA026WJZZ	J	Coil	AD
L3702	RCiLPA144WJZZY	J	Coil	AD
L3703	RCiLPA143WJZZY	J	Coil	AD
L3704	RCiLPA026WJZZ	J	Coil	AD
TRANSFORMER				
△ T3701	RTRNWA090WJZZY	J	Transformer	AH
CONTROL				
R3714	RVR-M0111CEZZY	J	1k(B) B+Adj	AC
CAPACITORS				
C334	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C335	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C336	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C338	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C339	RC-EZA135WJZZY	J	47 6.3V Electrolytic	AC
C340	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C341	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C342	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C343	RC-KZ0075TAZZY	J	2.2 16V Ceramic	AC
C344	RC-KZ0044TAZZY	J	10 4.7V Ceramic	AD
C345	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C346	RC-KZA043WJZZY	J	10 6.3V Ceramic	AA
C1901	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1902	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1903	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C1904	VCCCCY1HH5R0CY	J	5p 50V Ceramic	AA
C1905	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1906	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1907	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1908	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1909	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1910	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1911	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1912	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1913	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1914	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1915	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
C1916	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1917	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1918	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1919	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1920	RC-EZA130WJZZY	J	3.3 50V Electrolytic	AB
C1921	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1922	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1923	RC-KZA041WJZZY	J	10 10V Ceramic	AC

Ref. No.	Part No.	★	Description	Code
C1924	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C1925	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1926	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1927	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C1928	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1929	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD
C1930	VCKYCY1HB682KY	J	6800p 50V Ceramic	AA
C1931	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1932	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1933	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1934	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C1935	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C1936	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C1939	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C1948	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C1950	VCCCCY1HH560JY	J	56p 50V Ceramic	AB
C1952	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C1954	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1956	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C1957	VCKYCY1HB561KY	J	560p 50V Ceramic	AA
C1958	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C1961	VCKYCY1HB561KY	J	560p 50V Ceramic	AA
C1963	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C1965	VCKYCY1HB472KY	J	4700p 50V Ceramic	AA
C1967	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C1968	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C1969	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C2201	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2203	RC-EZA123WJZZY	J	100 6.3V Electrolytic	AC
C2204	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2205	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2206	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2207	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C2208	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2209	VCKYCY1HF103ZY	J	0.01 50V Ceramic	AA
C2210	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C2211	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C2212	VCCCCY1HH121JY	J	120p 50V Ceramic	AA
C2213	VCCCCY1HH820JY	J	82p 50V Ceramic	AA
C2214	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C2215	VCCCCY1HH180JY	J	18p 50V Ceramic	AA
C2216	VCCCCY1HH121JY	J	120p 50V Ceramic	AA
C2217	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2218	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2219	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2220	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C2221	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C2222	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C2223	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C2224	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2225	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C2226	RC-EZ1351CEZZ	J	3300 6.3V Electrolytic	AF
C2227	RC-EZA126WJZZY	J	47 16V Electrolytic	AC
C2228	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3301	RC-KZA041WJZZY	J	10 10V Ceramic	AC
C3302	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3303	VCEASH1CN337MY	J	330 16V Electrolytic	AE
C3304	RC-EZA129WJZZY	J	2.2 50V Electrolytic	AB
C3305	RC-EZA127WJZZY	J	100 16V Electrolytic	AC
C3306	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C3307	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3308	RC-EZA128WJZZY	J	1 50V Electrolytic	AB
C3309	VCKYCY1HB102KY	J	1000p 50V Ceramic	AA
C3311	RC-EZA124WJZZY	J	10 16V Electrolytic	AB
C3312	VCKYTV1CF105ZY	J	1 16V Ceramic	AB
C3314	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3315	RC-EZ1274CEZZ	J	1000 16V Electrolytic	AD
C3316	VCEASH1CN477MY	J	470 16V Electrolytic	AD
C3501	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C3502	VCKYCY1EB223KY	J	0.022 25V Ceramic	AA
C3503	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C3504	RC-KZ0044TAZZY	J	4.7 10V Ceramic	AD
C3505	VCCCCY1HH101JY	J	100p 50V Ceramic	AA
C3506	VCKYCY1EF104ZY	J	0.1 25V Ceramic	AA
C3507	RC-EZ0417CEZZY	J	150 16V Electrolytic	AD

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB751FE01:LC-13B4E					DUNTKB751FE02:LC-15B4E				
TUNER UNIT									
C3508	RC-KZ0044TAZZY	J	4.7 10V	Ceramic AD	R361	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
C3509	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R362	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3510	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1901	VRS-CA1JF102JY	J	1k 1/16W Metal Oxide	AA
C3511	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1902	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
C3512	VCKYCY1HB682KY	J	6800p 50V	Ceramic AA	R1903	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
C3513	VCKYCY1HB682KY	J	6800p 50V	Ceramic AA	R1904	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA
C3601	RC-KZ0072TAZZY	J	1 25V	Ceramic AC	R1907	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3602	RC-KZ0072TAZZY	J	1 25V	Ceramic AC	R1908	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3603	RC-KZ0072TAZZY	J	1 25V	Ceramic AC	R1911	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3604	RC-KZ0072TAZZY	J	1 25V	Ceramic AC	R1912	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3702	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	R1913	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
C3703	RC-KZ1025CEZZY	J	1 10V	Ceramic AB	R1914	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
C3705	VCKYCY1EB103KY	J	0.01 25V	Ceramic AA	R1915	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
C3706	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	R1916	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
C3708	RC-EZA140WJZZY	J	4.7 25V	Electrolytic AB	R1917	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA
C3709	VCEAPT1CN226MY	J	22 16V	Electrolytic AC	R1918	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
C3710	VCCCCY1HH471JY	J	470p 50V	Ceramic AA	R1919	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
C3711	VCKYCY1HB562KY	J	5600p 50V	Ceramic AA	R1920	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
C3712	RC-KZ1025CEZZY	J	1 10V	Ceramic AB	R1921	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
C3713	VCAAPF1CJ826MY	J	82 16V	Electrolytic AG	R1923	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C3714	VCKYCY1HB562KY	J	5600p 50V	Ceramic AA	R1924	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C3715	VCCCCY1HH181JY	J	180p 50V	Ceramic AA	R1927	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
C3716	VCEASH1HN476MY	J	47 50V	Electrolytic AD	R1928	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
C3717	VCEASH1CN337MY	J	330 16V	Electrolytic AE	R1932	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
C3718	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1933	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
C3719	VCEASH1CN337MY	J	330 16V	Electrolytic AE	R1945	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
C3721	VCKYCY1HF104ZY	J	0.1 50V	Ceramic AA	R1947	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
C3722	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1948	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
C3723	VCAAPF0JJ157MY	J	150 6.3V	Electrolytic AG	R1950	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide	AA
C3724	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1952	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
C3726	VCEASH1CN477MY	J	470 16V	Electrolytic AD	R1953	VRS-CY1JF392FY	J	3.9k 1/16W Metal Oxide	AA
C3727	RC-EZ1339CEZZY	J	220 16V	Electrolytic AD	R1954	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
C3728	VCKYTV1CF105ZY	J	1 16V	Ceramic AB	R1960	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
C3729	VCKYCY1HF104ZY	J	0.1 50V	Ceramic AA	R1962	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
C3730	VCKYCY1HF104ZY	J	0.1 50V	Ceramic AA	R1963	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
C3731	RC-KZ1025CEZZY	J	1 10V	Ceramic AB	R1965	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA
C3732	RC-KZ1025CEZZY	J	1 10V	Ceramic AB	R1966	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
C3733	VCKYCY1HF103ZY	J	0.01 50V	Ceramic AA	R1968	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3734	RC-KZ0075TAZZY	J	2.2 16V	Ceramic AC	R1973	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C3735	VCKYCY1EF104ZY	J	0.1 25V	Ceramic AA	R1974	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
C3736	RC-KZ1025CEZZY	J	1 10V	Ceramic AB	R2201	VRS-CY1JF561FY	J	560 1/16W Metal Oxide	AA
C3737	RC-EZA127WJZZY	J	100 16V	Electrolytic AC	R2202	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
C3901	RC-EZA123WJZZY	J	100 6.3V	Electrolytic AC	R2203	VRS-CY1JF561FY	J	560 1/16W Metal Oxide	AA
C3902	RC-EZA126WJZZY	J	47 16V	Electrolytic AC	R2204	VRS-CY1JF102FY	J	1k 1/16W Metal Oxide	AA
C3903	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R2205	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3904	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R2207	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3905	RC-EZA126WJZZY	J	47 16V	Electrolytic AC	R2208	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3906	VCCCCY1HH221JY	J	220p 50V	Ceramic AA	R2209	VRS-TW2ED000JY	J	0 1/4W Metal Oxide	AB
C3907	VCCCCY1HH101JY	J	100p 50V	Ceramic AA	R2210	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3908	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R2211	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
C3909	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R2212	VRS-TW2HF1R0JY	J	1 1/2W Metal Oxide	AA
C3910	VCCCCY1HH221JY	J	220p 50V	Ceramic AA	R2213	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3911	VCCCCY1HH221JY	J	220p 50V	Ceramic AA	R2214	VRS-CY1JF561JY	J	560 1/16W Metal Oxide	AA
C3912	VCCCCY1HH101JY	J	100p 50V	Ceramic AA	R2215	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
C3913	VCCCCY1HH221JY	J	220p 50V	Ceramic AA	R2216	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
C3914	VCCCCY1HH101JY	J	100p 50V	Ceramic AA	R2217	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
C3915	VCCCCY1HH101JY	J	100p 50V	Ceramic AA	R2218	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
C5001	VCKYCY1HB222KY	J	2200p 50V	Ceramic AA	R2219	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
C5002	VCKYCY1HB222KY	J	2200p 50V	Ceramic AA	R2220	VRS-TW2HF471JY	J	470 1/2W Metal Oxide	AA
C5003	RC-KZA041WJZZY	J	10 10V	Ceramic AC	R2221	VRS-CY1JF332JY	J	3.3k 1/16W Metal Oxide	AA
RESISTORS					R2222	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R345	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA	R2223	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R346	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA	R2224	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R350	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA	R2225	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R351	VRS-CY1JF392JY	J	3.9k 1/16W Metal Oxide	AA	R2226	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R352	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA	R2227	VRS-CY1JF221JY	J	220 1/16W Metal Oxide	AA
R353	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R2228	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R354	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	R2229	VRS-CY1JF152JY	J	1.5k 1/16W Metal Oxide	AA
R355	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA	R3301	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA
R358	VRS-CY1JF123JY	J	12k 1/16W Metal Oxide	AA	R3302	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA
					R3303	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
					R3304	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
					R3305	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
					R3306	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA
					R3307	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
DUNTKB751FE01:LC-13B4E					DUNTKB751FE02:LC-15B4E				
TUNER UNIT									
R3308	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R3750	VRS-CY1JF391JY	J	390 1/16W Metal Oxide	AA
R3309	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA	R3751	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R3310	VRS-CY1JF182JY	J	1.8k 1/16W Metal Oxide	AA	R3752	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA
R3311	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R3753	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
			(LC-13B4E)		R3754	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA
R3311	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA	R3755	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
			(LC-15B4E)		R3756	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA
R3312	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R3901	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
			(LC-13B4E)		R3902	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3312	VRS-CY1JF822JY	J	8.2k 1/16W Metal Oxide	AA	R3903	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
			(LC-15B4E)		R3905	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3313	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA	R3906	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3315	VRS-TW2HF000JY	J	0 1/2W Metal Oxide		R3907	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R3316	VRS-TW2HF000JY	J	0 1/2W Metal Oxide		R3908	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA
R3318	VRS-TW2ED000JY	J	0 1/4W Metal Oxide	AB	R3909	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3501	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA	R3910	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3502	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R3911	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3503	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R3912	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3504	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA	R3913	VRS-CY1JF823JY	J	82k 1/16W Metal Oxide	AA
R3505	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA	R3914	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3506	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R3915	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3507	VRS-CY1JF122JY	J	1.2k 1/16W Metal Oxide	AA	R3916	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3508	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA	R3917	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3509	VRS-CY1JF153JY	J	15k 1/16W Metal Oxide	AA	R3918	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3510	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R3919	VRS-CY1JF271JY	J	270 1/16W Metal Oxide	AA
R3511	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	R3920	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3512	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA	R3921	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3513	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R3922	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3514	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R3923	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3601	VRS-CB1JF222JY	J	2.2k 1/16W Metal Oxide	AC	R3924	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3605	VRS-CB1JF824JY	J	820k 1/16W Metal Oxide	AC	R3925	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3608	VRS-CB1JF562JY	J	5.6k 1/16W Metal Oxide	AC	R3926	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3611	VRS-CY1JF563JY	J	56k 1/16W Metal Oxide	AA	R3927	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3612	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA	R3928	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3701	VRS-TW2ED102JY	J	1k 1/4W Metal Oxide	AA	R3929	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3703	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	R3930	VRS-CY1JF750JY	J	75 1/16W Metal Oxide	AA
R3705	VRS-TW2ED1R0JY	J	1 1/4W Metal Oxide	AB	R3931	VRS-CY1JF104JY	J	100k 1/16W Metal Oxide	AA
R3706	VRS-CY1JF682JY	J	6.8k 1/16W Metal Oxide	AA	R3932	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3707	VRS-CY1JF332FY	J	3.3k 1/16W Metal Oxide	AA	R3933	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3708	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA	R3934	VRS-CY1JF103JY	J	10k 1/16W Metal Oxide	AA
R3709	VRS-CY1JF105JY	J	1M 1/16W Metal Oxide	AA	R3935	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3711	VRS-CY1JF274JY	J	270k 1/16W Metal Oxide	AA	R3936	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3712	VRS-CY1JF133FY	J	13k 1/16W Metal Oxide	AA	R5001	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3713	VRS-TW2ED102JY	J	1k 1/4W Metal Oxide	AA	R5002	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3715	VRS-CY1JF272JY	J	2.7k 1/16W Metal Oxide	AA	R5003	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA
R3716	VRS-CY1JF273FY	J	27k 1/16W Metal Oxide	AA	R5004	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3717	VRS-CY1JF100JY	J	10 1/16W Metal Oxide	AA	R5005	VRS-TQ2BD750JY	J	75 1/8W Metal Oxide	AA
R3718	VRS-CY1JF184JY	J	180k 1/16W Metal Oxide	AA	R5006	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R3719	VRS-CY1JF153FY	J	15k 1/16W Metal Oxide	AA	R5007	VRS-TW2HF220JY	J	22 1/2W Metal Oxide	
R3720	VRS-TW2HF000JY	J	0 1/2W Metal Oxide		R5008	VRS-TW2HF220JY	J	22 1/2W Metal Oxide	
R3722	VRS-TW2HF152JY	J	1.5k 1/2W Metal Oxide		R5009	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3723	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	R5010	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3725	VRS-TW2HF182JY	J	1.8k 1/2W Metal Oxide		R5011	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3728	VRS-TV1JD103JY	J	10k 1/10W Metal Oxide	AA	R5012	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3729	VRS-CY1JF1R0JY	J	1 1/16W Metal Oxide	AA	R5013	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R3731	VRS-CY1JF000JY	J	0 1/16W Metal Oxide	AA	MISCELLANEOUS PARTS				
R3734	VRS-TQ2BD683JY	J	68k 1/8W Metal Oxide	AA	△ F3301	QFS-D0008CEZZ	J	Fuse, 2A/250V	AE
R3735	VRS-CY1JF223JY	J	22k 1/16W Metal Oxide	AA	△ F3302	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
R3737	VRS-TW2ED561JY	J	560 1/4W Metal Oxide	AA	FH3301	QFSDH1002CEZZ	J	Fuse Holder	AA
R3738	VRS-CY1JF113FY	J	11k 1/16W Metal Oxide	AA	FH3302	QFSDH1002CEZZ	J	Fuse Holder	AA
R3739	VRS-CY1JF222JY	J	2.2k 1/16W Metal Oxide	AA	FH3303	QFSDH1002CEZZ	J	Fuse Holder	AA
R3740	VRS-CY1JF182FY	J	1.8k 1/16W Metal Oxide	AA	FH3304	QFSDH1002CEZZ	J	Fuse Holder	AA
R3741	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA	FB3701	RBLN-0095CEZZY	J	Ferrite Bead	AD
R3742	VRS-CY1JF682FY	J	6.8k 1/16W Metal Oxide	AA	FB3702	RBLN-0095CEZZY	J	Ferrite Bead	AD
R3743	VRS-CY1JF122FY	J	1.2k 1/16W Metal Oxide	AA	FB3703	RBLN-0095CEZZY	J	Ferrite Bead	AD
R3744	VRS-CY1JF223FY	J	22k 1/16W Metal Oxide	AA	FB3705	RBLN-0051TAZZY	J	Ferrite Bead	AC
R3745	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	FB3707	RBLN-0254TAZZY	J	Ferrite Bead	AB
R3746	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	FB3708	RBLN-0051TAZZY	J	Ferrite Bead	AC
R3747	VRS-CY1JF123FY	J	12k 1/16W Metal Oxide	AA	FB3709	RBLN-0254TAZZY	J	Ferrite Bead	AB
R3748	VRS-CY1JF102JY	J	1k 1/16W Metal Oxide	AA	FB5001	RBLN-0062CEZZY	J	Ferrite Bead	AC
R3749	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA	FB5002	RBLN-0062CEZZY	J	Ferrite Bead	AC
					J3701	QJAKE0193CEZZ	J	POWER INPUT DC12V	AK
					J3901	QJAKF0066CEZZ	J	AUDIO OUT(L)/(R)	AE
					J5001	QJAKF0060CEZZ	J	AUDIO(L)/(R)(AV-IN2)	AE

Ref. No.	Part No.	★	Description	Code
DUNTKB751FE01:LC-13B4E				
DUNTKB751FE02:LC-15B4E				
TUNER UNIT				
J5002	QJAKJ0047CEZZ	J	Headphone	AD
J5003	QJAKEA047WJ04	J	VIDEO(AV-IN2)	AD
P1902	QPLGN1278GEZZ	J	Plug, 12-pin(MB)	AC
P3301	QPLGN0278GEZZ	J	Plug, 2-pin(SL)	AA
P3302	QPLGN0278GEZZ	J	Plug, 2-pin(SR)	AA
P3601	QPLGN0478GEZZ	J	Plug, 4-pin(CL)	AB
P3603	QPLGN0378GEZZ	J	Plug, 3-pin(VE)	AB
P3901	QPLGN0006CEZZ	J	Plug, 14-pin	AD
P3902	QPLGN0558REZZY	J	Plug, 5-pin(MR)	AE
SC3901	QSOCZA012WJZZ	J	AV-IN1(21pin Euro-SCART)	AG
SC3902	QSOCN0464FJZZY	J	Socket, 50-pin(MA)	AH
SC5001	QSOCN0456CEZZ	J	S-VIDEO(AV-IN2)	AE
TP3701	QLUGHA002WJZZ	J	Lug	AB
TP3702	QLUGHA002WJZZ	J	Lug	AB
	LANGT9102CEFW	J	Fixing Metal	AF
	LHLDW1123GEZZ	J	Wire Holder	AB
	PSLDCA005WJZZ	J	Shield	AC
	PSLDMA208WJFW	J	Shield	
	QCNW-B183WJZZ	J	Connecting Cord(MB)	AK
			(LC-15B4E)	
	QCNW-B608WJZZ	J	Connecting Cord(MB)	
			(LC-13B4E)	
	QCNW-B647WJZZ	J	Connecting Cord	

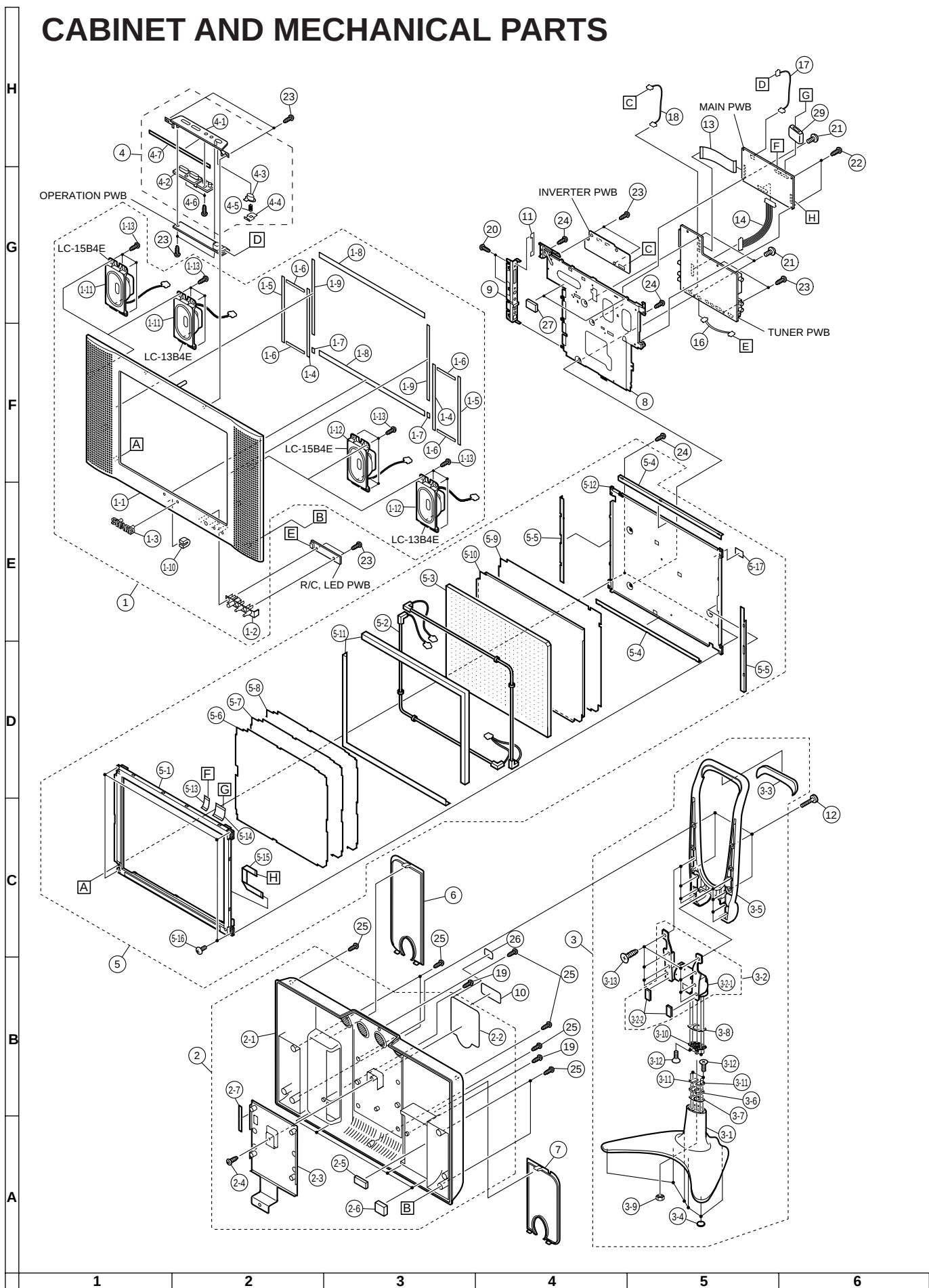
Ref. No.	Part No.	★	Description	Code
DUNTKB752FE01:LC-13B4E				
DUNTKB752FE02:LC-15B4E				
R/C, LED UNIT				
TRANSISTORS				
Q4001	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4003	VSDTC144EE/-1Y	J	DTC144EE	AA
Q4007	VSUMG4N++++-1Y	J	UMG4N	AB
DIODES				
D4011	RH-PX0419CEZZY	J	Remote Sensor Indicator	AC
D4012	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4014	RH-PX0421CEZZY	J	Power/Standby Indicator	AD
D4015	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4022	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
CAPACITOR				
C4018	RC-KZ1025CEZZY	J	1 10V Ceramic	AB
RESISTORS				
R4001	VRS-CY1JF562JY	J	5.6k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF101JY	J	100 1/16W Metal Oxide	AA
R4023	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF471JY	J	470 1/16W Metal Oxide	AA
R4029	VRS-CY1JF472JY	J	4.7k 1/16W Metal Oxide	AA
MISCELLANEOUS PARTS				
P4004	QPLGN0563TAZZY	J	Plug, 5-pin(MR)	AC
RMC4002	RRMCU0239CEZZ	J	R/C Sensor	AG
	PSLDM4646CEFW	J	Shield	AD
	QCNW-B323WJZZ	J	Connecting Cord(MR)	AE

DUNTKB753FE01:LC-13B4E				
DUNTKB753FE02:LC-15B4E				
OPERATION UNIT				
DIODES				
D4008	RH-EX1283CEZZY	J	Zener Diode	AB
D4009	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
D4010	RH-EX1271CEZZY	J	Zener Diode, 12V	AB
RESISTORS				
R4005	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4006	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R4011	VRS-CY1JF473JY	J	47k 1/16W Metal Oxide	AA
R4012	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
SWITCHES				
S4701	QSW-P0035GEZZ	J	Main Power	AF
SW4002	QSW-K0108CEZZY	J	CH(✓)	AD
SW4003	QSW-K0108CEZZY	J	CH(∧)	AD
SW4004	QSW-K0108CEZZY	J	MENU	AD
SW4006	QSW-K0108CEZZY	J	TV/VIDEO	AD
SW4007	QSW-K0108CEZZY	J	Volume(+)	AD
SW4008	QSW-K0108CEZZY	J	Volume(-)	AD
MISCELLANEOUS PARTS				
P4001	QPLGN0563TAZZY	J	Plug, 5-pin(MS)	AC
	QCNW-B543WJZZ	J	Connecting Cord(MS)	

Ref. No.	Part No.	★	Description	Code
DUNTKB754FE01:LC-13B4E				
DUNTKB754FE02:LC-15B4E				
INVERTER UNIT				
TRANSISTORS				
Q6500	VS2SC5886++-1Y	J	2SC5886	AE
Q6501	VS2SC5886++-1Y	J	2SC5886	AE
Q6502	VS2SA1530AR-1Y	J	2SA1530AR	AB
Q6503	VS2SC5886++-1Y	J	2SC5886	AE
Q6504	VS2SC5886++-1Y	J	2SC5886	AE
Q6505	VS2SA1530AR-1Y	J	2SA1530AR	AB
DIODE				
D6500	VHDDAN222//-1Y	J	Diode	AA
COILS				
L6500	RCiLPA093WJZZ	J	Coil	AF
L6502	RCiLPA093WJZZ	J	Coil	AF
TRANSFORMERS				
△ T6500	RTRNZA029WJZZQ	J	Transformer	AH
△ T6501	RTRNZA026WJZZQ	J	Transformer	AL
△ T6502	RTRNZA029WJZZQ	J	Transformer	AH
△ T6503	RTRNZA026WJZZQ	J	Transformer	AL
CAPACITORS				
C6502	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C6503	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C6504	VCEA4A1CN108M	J	1000 16V Electrolytic	AD
C6507	VCKYCY1HB103KY	J	0.01 50V Ceramic	AA
C6508	VCKYCY1CB473KY	J	0.047 16V Ceramic	AA
C6509	VCEA4A1CN108M	J	1000 16V Electrolytic	AD
C6510	RC-FZA034WJZZ	J	0.15 250V Film	AE
C6511	RC-FZA034WJZZ	J	0.15 250V Film	AE
RESISTORS				
R6500	VRS-TW2ED182JY	J	1.8k 1/4W Metal Oxide	AA
R6502	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R6503	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R6504	VRS-TW2ED182JY	J	1.8k 1/4W Metal Oxide	AA
R6506	VRS-CY1JF103FY	J	10k 1/16W Metal Oxide	AA
R6507	VRS-CY1JF333JY	J	33k 1/16W Metal Oxide	AA
R6510	VRS-TW2ED152JY	J	1.5k 1/4W Metal Oxide	AB
R6511	VRS-TW2ED152JY	J	1.5k 1/4W Metal Oxide	AB
MISCELLANEOUS PARTS				
△ F6500	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
△ F6501	QFS-D0006CEZZ	J	Fuse, 1.25A/250V	AF
FH6500	QFSDH1002CEZZ	J	Fuse Holder	AA
FH6501	QFSDH1002CEZZ	J	Fuse Holder	AA
FH6502	QFSDH1002CEZZ	J	Fuse Holder	AA
FH6503	QFSDH1002CEZZ	J	Fuse Holder	AA
P6500	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P6501	QPLGN0155FJZZY	J	Plug, 3-pin	AE
P6502	QPLGN0378GEZZ	J	Plug, 3-pin(VE)	AB
	QCNW-A385WJZZ	J	Connecting Cord(VE)	AE

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS									
MODEL:LC-13B4E									
1	CCABAA305WJ01	J	Cabinet A Ass'y		9	GCOVA2118CEKA	J	Chassis Frame Cover	AG
1-1	<i>Not Available</i>	—	Cabinet A	—	10	<i>Not Available</i>	—	Serial No. Label	—
1-2	GCOVA2020CEZZ	J	R/C, LED Cover	AF	11	LANGK0782CEFW	J	21-pin Terminal Angle	AF
1-3	HBDGBA013WJSA	J	Badge, "SHARP"	AK	12	LX-BZ3442CEFF	J	Screw, x4	AB
1-4	PSPAGA0402CEZZ	J	Spacer, x2	AB	13	QCNW-6068CEZZ	J	Connecting Cord(MA)	AD
1-5	PSPAGA124WJZZ	J	Spacer, x2		14	QCNW-B608WJZZ	J	Connecting Cord(MB)	
1-6	PSPAGA125WJZZ	J	Spacer, x4		16	QCNW-B323WJZZ	J	Connecting Cord(MR)	AE
1-7	PSPAH0606CEZZ	J	Spacer, x2	AD	17	QCNW-B543WJZZ	J	Connecting Cord(MS)	
1-8	PSPAH0678CEZZ	J	Spacer, x2	AA	18	QCNW-A385WJZZ	J	Connecting Cord(VE)	AE
1-9	PSPAH0719CEZZ	J	Spacer, x2	AC	19	XBBSF30P05000	J	Screw, x2	AB
1-10	QEARZ0047CEZZ	J	Grounding Part	AC	20	XBBSF30P08000	J	Screw, x2	AA
1-11	RSP-Z0131CEZZ	J	Speaker(L)	AR	21	XBPSN30P09JS0	J	Screw, x3	AB
1-12	RSP-Z0132CEZZ	J	Speaker(R)	AR	22	XEBSD30P06000	J	Screw, x2	AA
1-13	XETSD40P12000	J	Screw, x8	AB	23	XEBSD30P08000	J	Screw, x10	AA
2	CCABBA209WJ01	J	Cabinet B Ass'y		24	XEBSD30P12000	J	Screw, x4	AA
2-1	<i>Not Available</i>	—	Cabinet B	—	25	XEBSF30P14000	J	Screw, x8	AA
2-2	HiNDPA402WJSA	J	Model Label		26	TLABS0106TAZZ	J	GOST Label (LC-13B4E(R))	AD
2-3	LANGTA086WJFW	J	Reinforcement Angle		27	PSPAGA024WJZZ	J	Spacer, x2	AB
2-4	XEBSD30P08000	J	Screw, x1	AA					
2-5	PMLT-0401CEZZ	J	Spacer, x1	AB					
2-7	PSPAHA226WJZZ	J	Spacer, x1						
3	CDAi-A040WJ01	J	Stand Ass'y	BL					
3-1	GDAi-A040WJSA	J	Stand, Base	AW					
3-2	CDAi-1121CE02	J	Stand Joint Ass'y	BA					
3-2-1	<i>Not Available</i>	—	Stand, Joint	—					
3-2-2	PSPAZ0083WJZZ	J	Spacer, x2	AB					
3-3	GCOVA1945CESA	J	Stand Grip	AK					
3-4	GLEGGA010WJZZ	J	Leg, x6	AC					
3-5	JHNDP0105CESA	J	Stand Handle	AW					
3-6	LANGG1196CEFW	J	Swivel Base	AF					
3-7	LANGG1198CEFW	J	Fixing Metal	AE					
3-8	LANGG1199CEFW	J	Fixing Metal	AD					
3-9	LX-NZ3185CEFE	J	Nut, x1	AC					
3-10	MHNG-3051CEFW	J	Hinge	AV					
3-11	PSPAHA126WJZZ	J	Spacer, x2	AC					
3-12	XESSD40P14000	J	Screw, x8	AB					
3-13	XESSN40P10000	J	Screw, x8	AB					
4	CCOVAA396WJ02	J	Top Cover Ass'y						
4-1	<i>Not Available</i>	—	Top Cover	—					
4-2	JBTN-A087WJKA	J	Operation Button	AL					
4-3	JBTN-A088WJKA	J	Power Button	AF					
4-4	LHLDZA027WJKZ	J	Power Button Holder	AE					
4-5	MSPRCA014WJFW	J	Spring, for Power Button	AB					
4-6	XEBSD30P08000	J	Screw, x2	AA					
4-7	PSPAHA228WJZZ	J	Spacer, x1						
5	<i>Not Available</i>	—	13" LCD Panel Unit Ass'y	—					
5-1	RLCDA012WJN1	J	13" LCD Panel Unit	CT					
△ 5-2	KLMP-0120CEZZ	J	Lamp Unit	BD					
5-3	PGIDM0069CEZZ	J	Light Guide Panel	AZ					
5-4	PMiR-0292CEZZ	J	Reflection Mirror(L), x2	AG					
5-5	PMiR-0293CEZZ	J	Reflection Mirror(S), x2	AF					
5-6	PSHEP0276CEZZ	J	Reflection/Deflection Sheet	BB					
5-7	PSHEP0277CEZZ	J	Prism Sheet	AV					
5-8	PSHEP0278CEZZ	J	Diffusion Sheet	AL					
5-9	PSHEP0279CEZZ	J	Reflection Sheet-1	AG					
5-10	PSHEP0280CEZZ	J	Reflection Sheet-2	AG					
5-11	PSHEP0306CEZZ	J	Reflection Sheet (Cover), x2	AC					
5-12	PSLDM4684CEFW	J	Back Shield	AQ					
5-13	QCNW-6064CEZZ	J	Connecting Cord	AD					
5-14	QCNW-6065CEZZ	J	Connecting Cord	AC					
5-15	QCNW-6066CEZZ	J	Connecting Cord	AE					
5-16	XBBSD30P05000	J	Screw, x4	AA					
5-17	PSPAH0718CEZZ	J	Spacer	AB					
6	GCOVA2023CEKA	J	Terminal Cover(L)	AL					
7	GCOVA2059CEKA	J	Terminal Cover(S)	AK					
8	GCOVAA399WJKA	J	Chassis Frame						

CABINET AND MECHANICAL PARTS



Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
CABINET AND MECHANICAL PARTS									
MODEL:LC-15B4E									
1	CCABAA302WJ01	J	Cabinet A Ass'y		10	Not Available	—	Serial No. Label	—
1-1	Not Available	—	Cabinet A	—	11	LANGK0782CEFW	J	21-pin Terminal Angle	AF
1-2	GCOVA2020CEZZ	J	R/C, LED Cover	AF	12	LX-BZ3442CEFF	J	Screw, x4	AB
1-3	HBDGBA012WJSA	J	"SHARP" Badge	AG	13	QCNW-A386WJZZ	J	Connecting Cord(MA)	AD
1-4	PSPAG0406CEZZ	J	Spacer, x2	AC	14	QCNW-B183WJZZ	J	Connecting Cord(MB)	AK
1-5	PSPAG0406CEZZ	J	Spacer, x2	AC	16	QCNW-B322WJZZ	J	Connecting Cord(MR)	AE
1-6	PSPAG0407CEZZ	J	Spacer, x4	AB	17	QCNW-B543WJZZ	J	Connecting Cord(MS)	
1-7	PSPAH0678CEZZ	J	Spacer, x2	AA	18	QCNW-A385WJZZ	J	Connecting Cord(VE)	AE
1-8	PSPAH0694CEZZ	J	Spacer, x2	AC	19	XBBSF30P05000	J	Screw, x2	AB
1-9	PSPAH0695CEZZ	J	Spacer, x2	AC	20	XBBSF30P08000	J	Screw, x2	AA
1-10	QEARZ0047CEZZ	J	Grounding Part	AC	21	XBPSN30P09JS0	J	Screw, x3	AB
1-11	RSP-Z0131CEZZ	J	Speaker(L)	AR	22	XEBSD30P06000	J	Screw, x2	AA
1-12	RSP-Z0132CEZZ	J	Speaker(R)	AR	23	XEBSD30P08000	J	Screw, x10	AA
1-13	XETSD40P12000	J	Screw, x8	AB	24	XEBSD30P12000	J	Screw, x4	AA
2	CCABB2358CE03	J	Cabinet B Ass'y		25	XEBSF30P14000	J	Screw, x8	AA
2-1	Not Available	—	Cabinet B	—	26	TLABS0106TAZZ	J	GOST Label (LC-15B4E(R))	AD
2-2	HiNDPA391WJSA	J	Model Label		29	RCORFA009WJZZ	J	Core	AH
2-3	LANGT9061CEFW	J	Reinforcement Angle	BD					
2-4	XEBSD30P08000	J	Screw, x1	AA					
2-5	PMLT-0401CEZZ	J	Light Shielding Spacer, x1	AB					
2-6	PMLT-0409CEZZ	J	Light Shielding Spacer, x4	AC					
2-7	PSPAH0720CEZZ	J	Spacer, x1	AD					
3	CDAi-A033WJ01	J	Stand Ass'y	BM					
3-1	GDAi-A033WJSA	J	Stand, Base	AX					
3-2	CDAi-1121CE01	J	Stand Joint Ass'y	BA					
3-2-1	Not Available	—	Stand Joint	—					
3-2-2	PSPAZA083WJZZ	J	Spacer, x2	AB					
3-3	GCOVA1945CESA	J	Stand Grip	AK					
3-4	GLEGGA010WJZZ	J	Leg, x6	AC					
3-5	JHNDP0105CESA	J	Stand Handle	AW					
3-6	LANGG1196CEFW	J	Swivel Base	AF					
3-7	LANGG1198CEFW	J	Fixing Metal	AE					
3-8	LANGG1199CEFW	J	Fixing Metal	AD					
3-9	LX-NZ3185CEFE	J	Nut, x1	AC					
3-10	MHNG-3051CEFW	J	Hinge	AV					
3-11	PSPAHA126WJZZ	J	Spacer, x2	AC					
3-12	XESSD40P14000	J	Screw, x8	AB					
3-13	XESSN40P10000	J	Screw, x8	AB					
4	CCOVAA396WJ01	J	Top Cover Ass'y						
4-1	Not Available	—	Top Cover	—					
4-2	JBTN-A087WJKA	J	Operation Button	AL					
4-3	JBTN-A088WJKA	J	Power Button	AF					
4-4	LHLDZA027WJKZ	J	Power Button Holder	AE					
4-5	MSPRCA014WJFW	J	Spring, for Power Button	AB					
4-6	XEBSD30P08000	J	Screw, x2	AA					
5	Not Available	—	15" LCD Panel Unit Ass'y	—					
5-1	RLCDA013WJN1	J	15" LCD Panel Unit	CZ					
△ 5-2	KLMP-0122CEZZ	J	Lamp Unit	BD					
5-3	PGIDM0070CEZZ	J	Light Guide Panel	BA					
5-4	PMiR-0294CEZZ	J	Reflection Mirror(L), x2	AG					
5-5	PMiR-0295CEZZ	J	Reflection Mirror(S), x2	AF					
5-6	PSHEP0281CEZZ	J	Reflection/Deflection Sheet	BE					
5-7	PSHEP0282CEZZ	J	Prism Sheet	AY					
5-8	PSHEP0283CEZZ	J	Diffusion Sheet	AL					
5-9	PSHEP0284CEZZ	J	Reflection Sheet-1	AG					
5-10	PSHEP0285CEZZ	J	Reflection Sheet-2	AG					
5-11	PSHEP0307CEZZ	J	Reflection Sheet(Cover)	AC					
5-12	PSLDM4689CEFW	J	Back Shield, x2	AR					
5-13	QCNW-6064CEZZ	J	Connecting Cord	AD					
5-14	QCNW-6065CEZZ	J	Connecting Cord	AC					
5-15	QCNW-A069WJZZ	J	Connecting Cord	AF					
5-16	XBBSD30P05000	J	Screw, x4	AA					
6	GCOVA2048CEKA	J	Terminal Cover(L)	AK					
7	GCOVA2049CEKA	J	Terminal Cover(S)	AH					
8	GCOVA2116CEKA	J	Chassis Frame	AP					
9	GCOVA2118CEKA	J	Chassis Frame Cover	AG					

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

ACCESSORIES

LC-13B4E				
	LHLDWA002WJSA	J	Cable Clamp, x2	AD
⚠	QACCB A016WJPZ	J	AC Cord(LC-13B4E(K))	AR
⚠	QACCKA006WJPZ	J	AC Cord(LC13B4E/E(R))	AL
	RRMCGA074WJSA	J	Infrared R/C Unit	AU
	TGAN-A077WJZZ	J	Guarantee Card (LC-13B4E(R))	
	TGAN-1688CEN1	J	Guarantee Card (LC-13B4E(K))	
	TiNS-A591WJZZ	J	Operation Manual	
	TiNS-A668WJZZ	J	Operation Manual (LC-13B4E(R))	
⚠	UADP-A034WJPZ	J	AC Adapter	
LC-15B4E				
	LHLDWA002WJSA	J	Cable Clamp, x2	AD
⚠	QACCB A016WJPZ	J	AC Cord(LC-15B4E(K))	AR
⚠	QACCKA006WJPZ	J	AC Cord(LC15B4E/E(R))	AL
	RRMCGA074WJSA	J	Infrared R/C Unit	AU
	TGAN-A077WJZZ	J	Guarantee Card (LC-15B4E(R))	
	TGAN-1688CEN1	J	Guarantee Card (LC-15B4E(K))	
	TiNS-A592WJZZ	J	Operation Manual	
	TiNS-A669WJZZ	J	Operation Manual (LC-15B4E(R))	
⚠	UADP-A034WJPZ	J	AC Adapter	

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

PACKING PARTS (NOT REPLACEMENT ITEM)

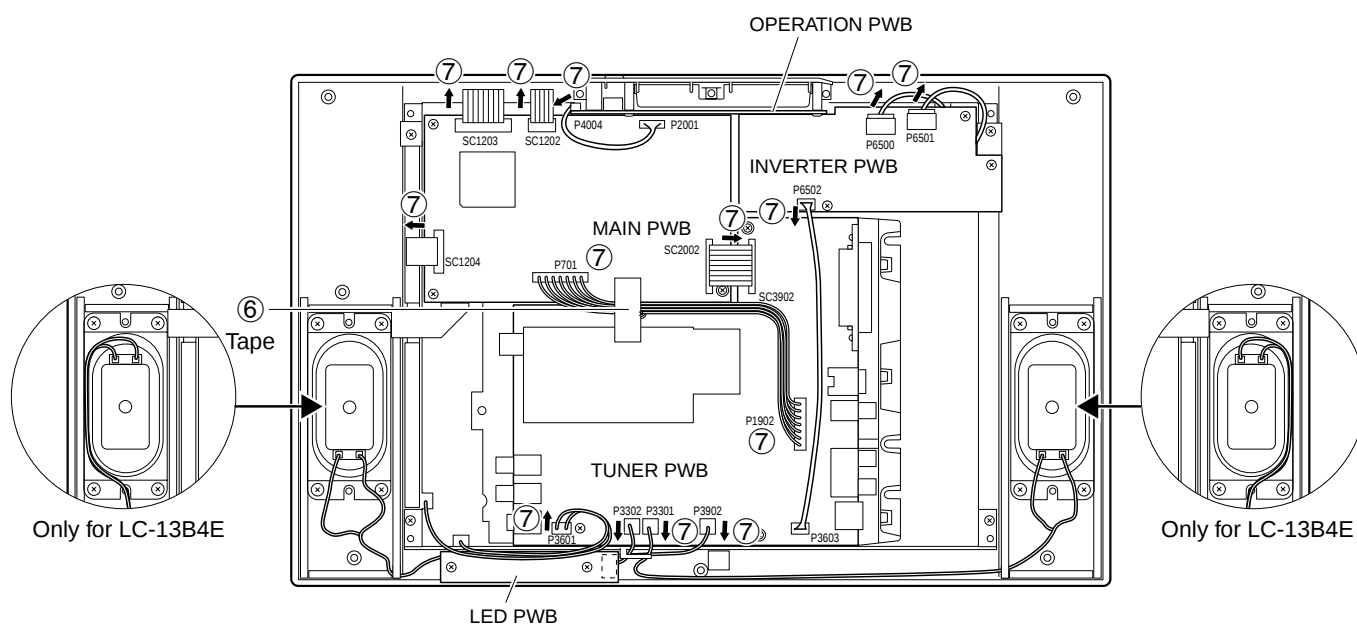
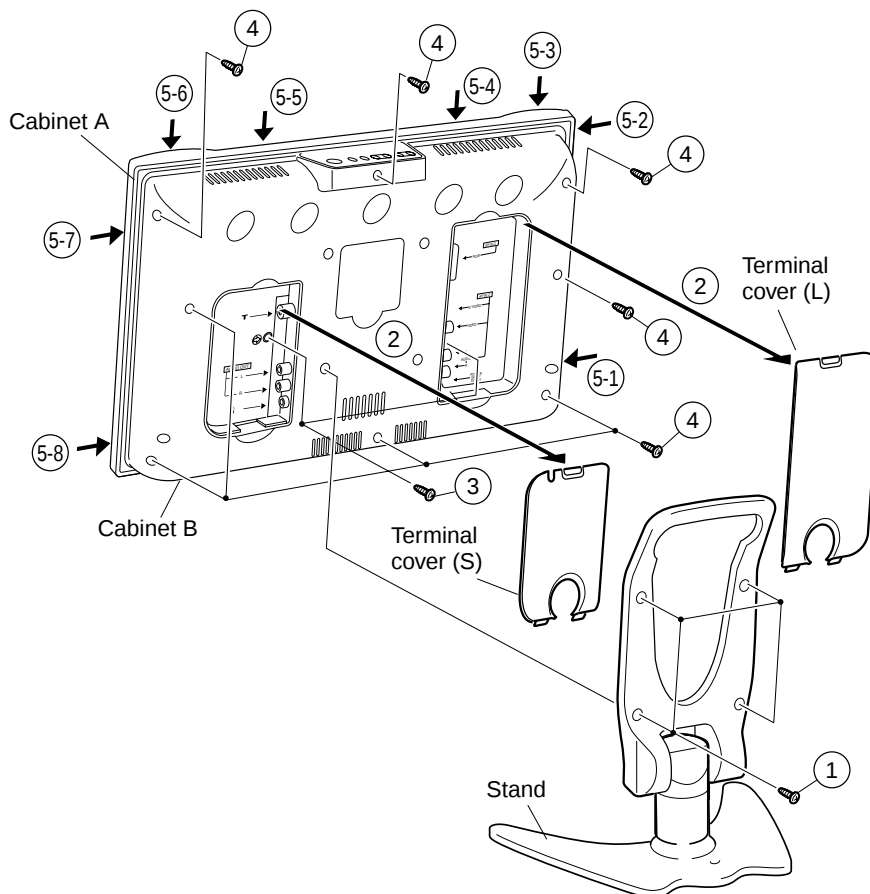
LC-13B4E				
	SPAKCA658WJZZ	—	Packing Case	—
	SPAKFA331WJZZ	—	Buffer Material(Accessories)	—
	SPAKPA211WJZZ	—	Wrapping Paper	—
	SPAKXA300WJZZ	—	Buffer Material	—
	SSAKA0170CEZZ	—	Polyethylene Bag	—
	TLABK0001TAZZ	—	Carton Label	—
	TLABAS016WJZZ	—	GOST Label(LC13B4E(R))	—
LC-15B4E				
	SPAKCA650WJZZ	—	Packing Case	—
	SPAKFA321WJZZ	—	Buffer Material(Accessories)	—
	SPAKFA335WJZZ	—	Buffer Material(Accessories)	—
	SPAKPA210WJZZ	—	Wrapping Paper	—
	SPAKXA290WJZZ	—	Buffer Material	—
	SSAKA0170CEZZ	—	Polyethylene Bag	—
	TLABK0001TAZZ	—	Carton Label	—
	TLABAS016WJZZ	—	GOST Label(LC15B4E(R))	—

SERVICE JIGS (USE FOR SERVICING)

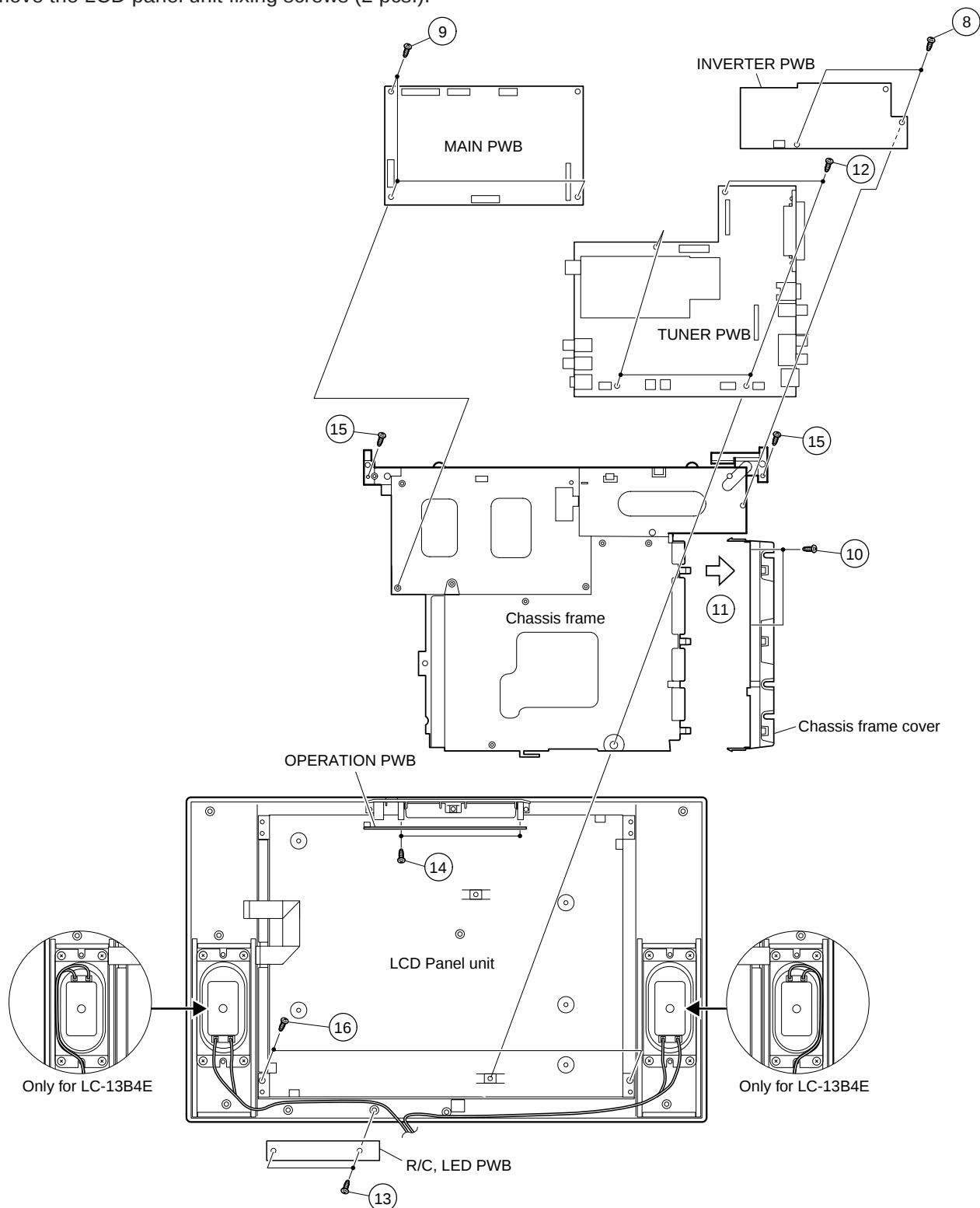
QC NW-A369WJZZ	J	Extension Cable 50-pin Main (SC2001)-Tuner (SC3902)	AT
QC NW-B194WJZZ	J	Extension Cable 12-pin Main (P701)-Tuner (P1902)	AU

REMOVING OF MAJOR PARTS

1. Remove the stand fixing screws (4 pcs.).
2. Remove the two terminal covers.
3. Remove the terminal section fixing screws (2 pcs.).
4. Remove the cabinet B fixing screws (8 pcs.).
5. Cabinet A is opened order of (5-1) to (5-8), and detach the Cabinet B.
6. Peel off the tape.
7. Detach the connector from each PWB.



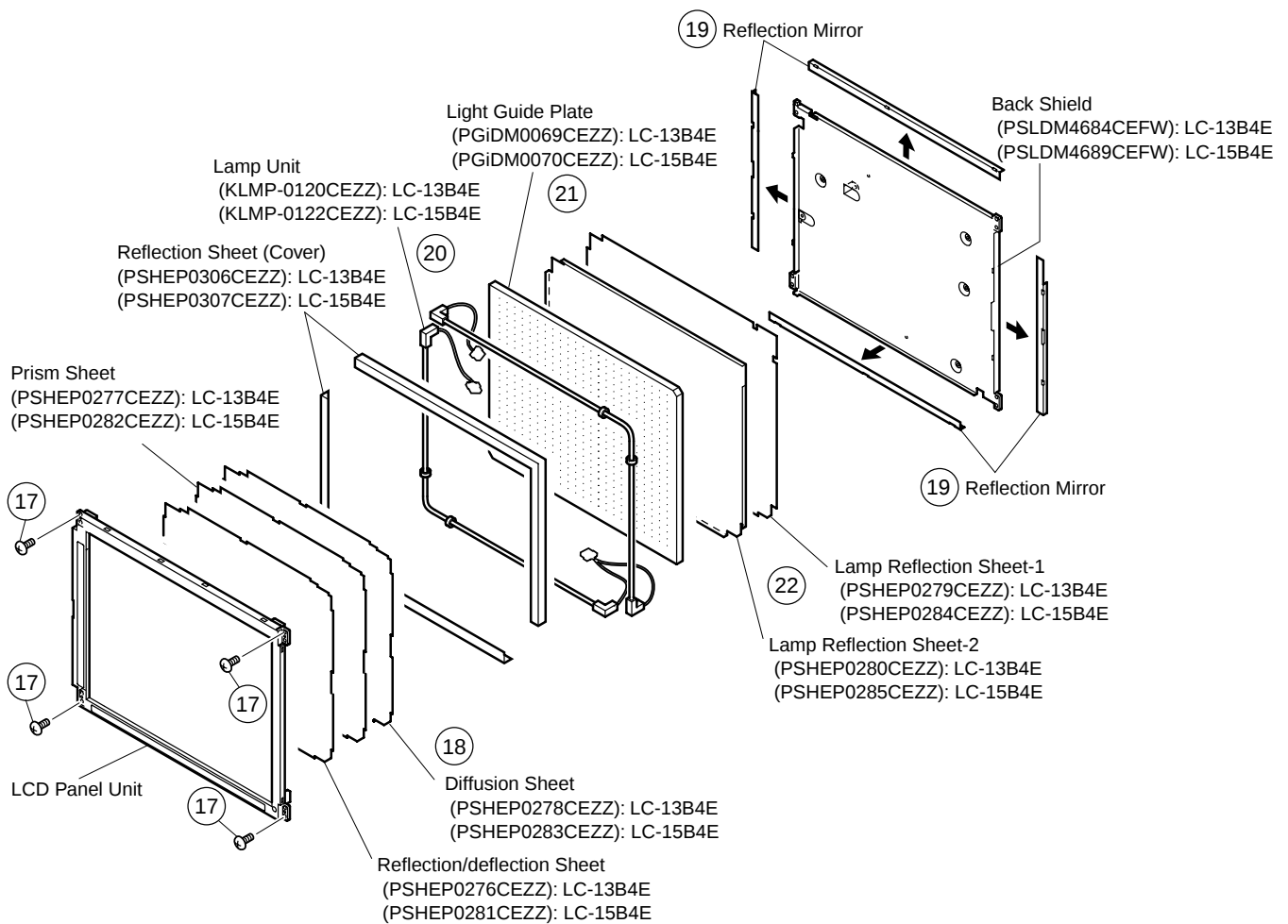
8. Remove the inverter PWB fixing screws (2 pcs.).
9. Remove the main PWB fixing screws (3 pcs.).
10. Remove the 21-pin terminal fixing screw (2 pcs.).
11. Detach the chassis frame cover.
12. Remove the tuner PWB fixing screws (4 pcs.).
13. Remove the R/C, LED PWB fixing screws (2 pcs.).
14. Remove the operation PWB fixing screws (2 pcs.).
15. Remove the chassis frame fixing screws (2 pcs.).
16. Remove the LCD panel unit fixing screws (2 pcs.).



● **Precautions in handling the LCD panels**

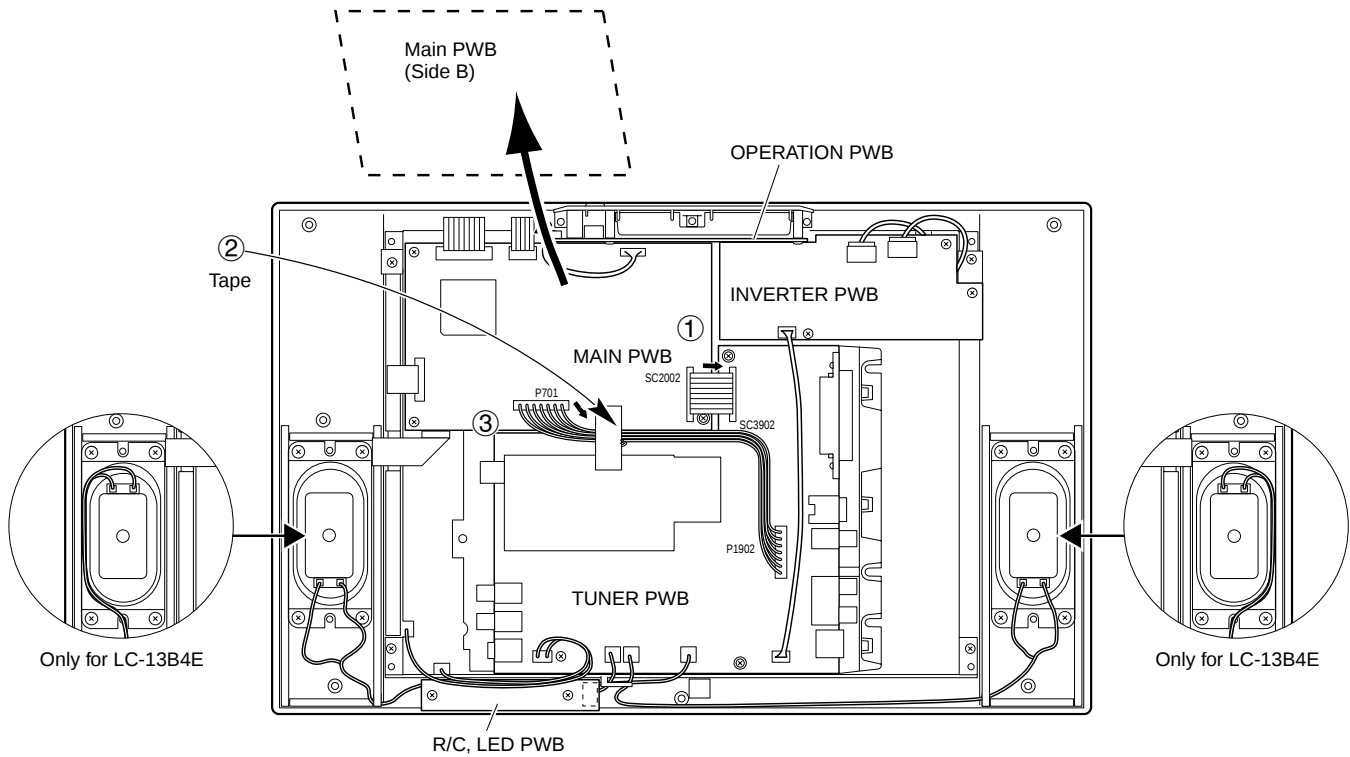
1. Work in a clean room (with humidities below 50%).
2. Be sure to wear an anti-static armband.
3. Handle the panels on an electroconductive mat.
4. Be careful not to fall, shake and shock the panels.

17. Remove the LCD panel unit fixing screws (4 pcs.).
18. Detach the two diffusion sheets and reflection/deflection sheet.
19. Detach the four reflection mirrors.
20. Remove the lamp unit.
21. Detach the lamp guide plate.
22. Detach the two lamp reflection sheets.



●Precautions at the time of the side B(back) service of main unit.

1. Remove only SC2002 of the FFC for connection between Main unit(SC2002) and Tuner unit(SC3902), and connect the extended cable (QCNW-A369WJZZ) for service.
2. Peel off the tape.
3. Remove only P701 of the FFC for connection between Main unit(P701) and Tuner unit(P1902), and connect the extended cable (QCNW-B194WJZZ) for service.
4. Remove the main unit fixing screws(2 pcs.), a substrate is reversed.



Step	Part No.	Description
1	QCNW-A369WJZZ	Extension Cable 50-pin Main (SC2002)-Tuner (SC3902)
3	QCNW-B194WJZZ	Extension Cable 12-pin Main (P701)-Tuner (P1902)

SHARP

COPYRIGHT © 2003 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted in
any form or by any means, electronic, mechanical,
photocopying, recording, or otherwise, without
prior written permission of the publisher.

TQ0000-S

May 2003 Printed in Japan

Design and Production Information

Design : Japan

Production : Japan

MI. KG

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan